

Program Complot
(Version 2021-1)

by

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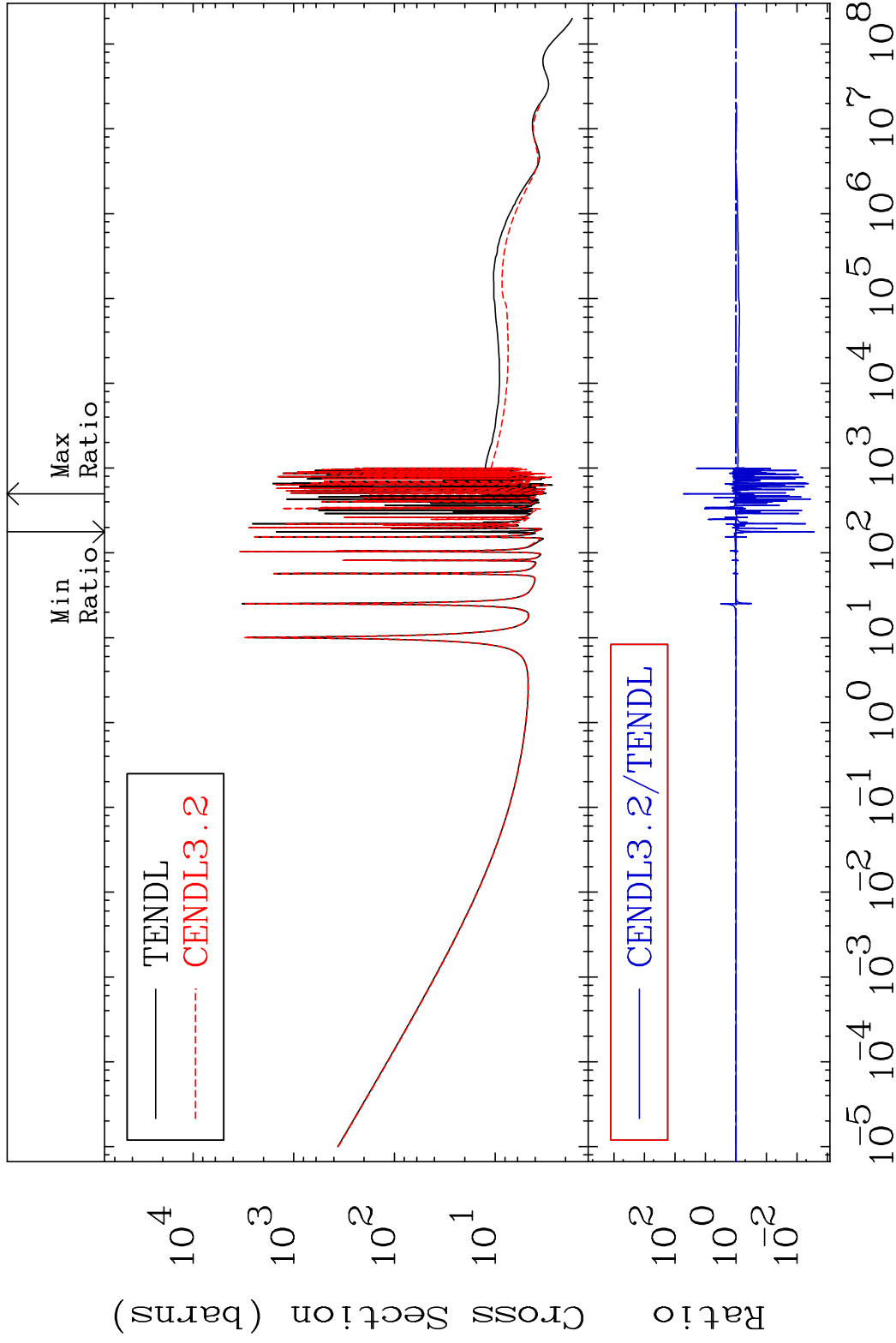
Press Mouse Button to Start

MAT 4434

Total

44-Ru-99

Cross Section -99.72 To 5090. %



1

Incident Energy (eV)

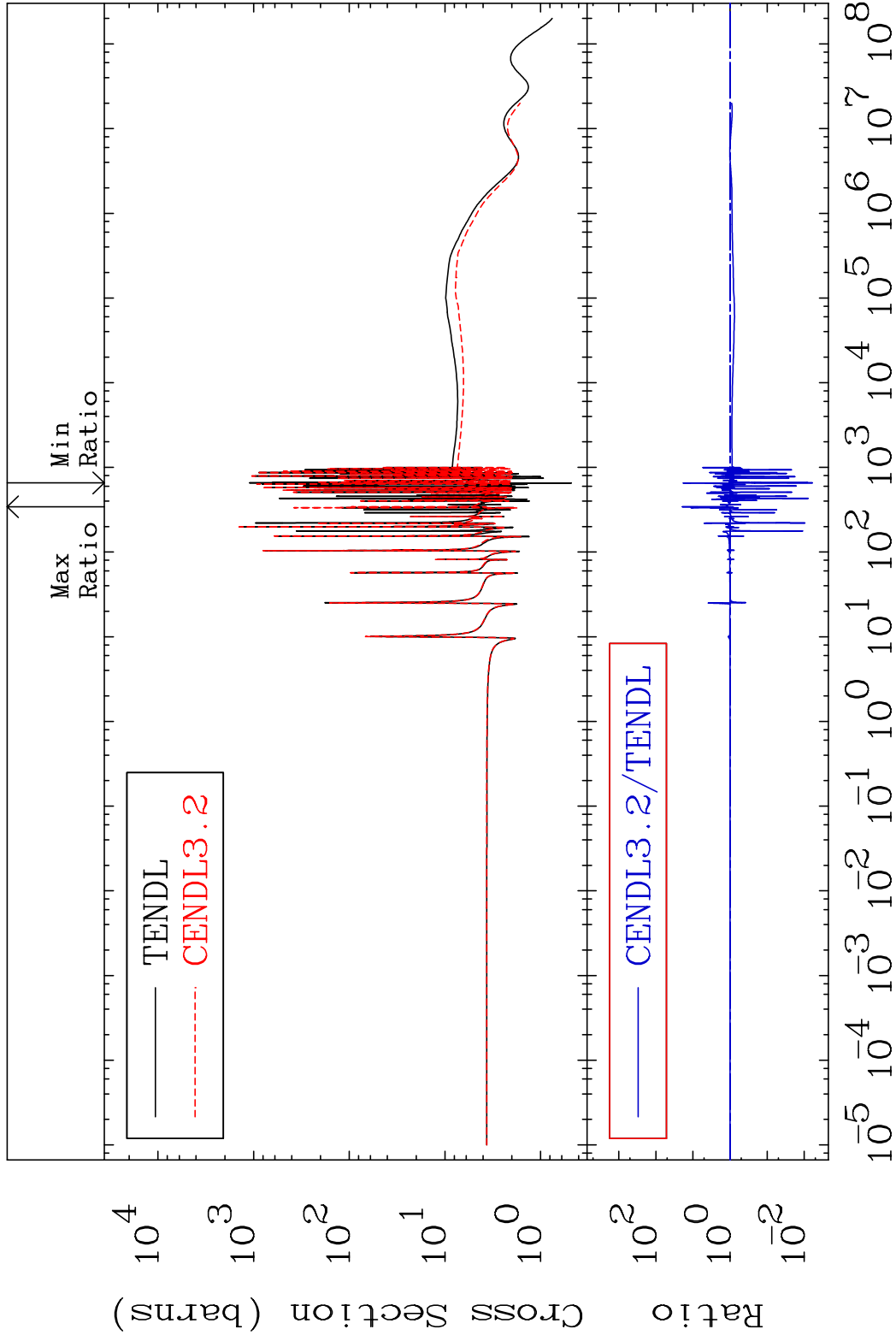
44-Ru-99

MAT 4434

Elastic

44-Ru-99

Cross Section -99.40 To 1833. %

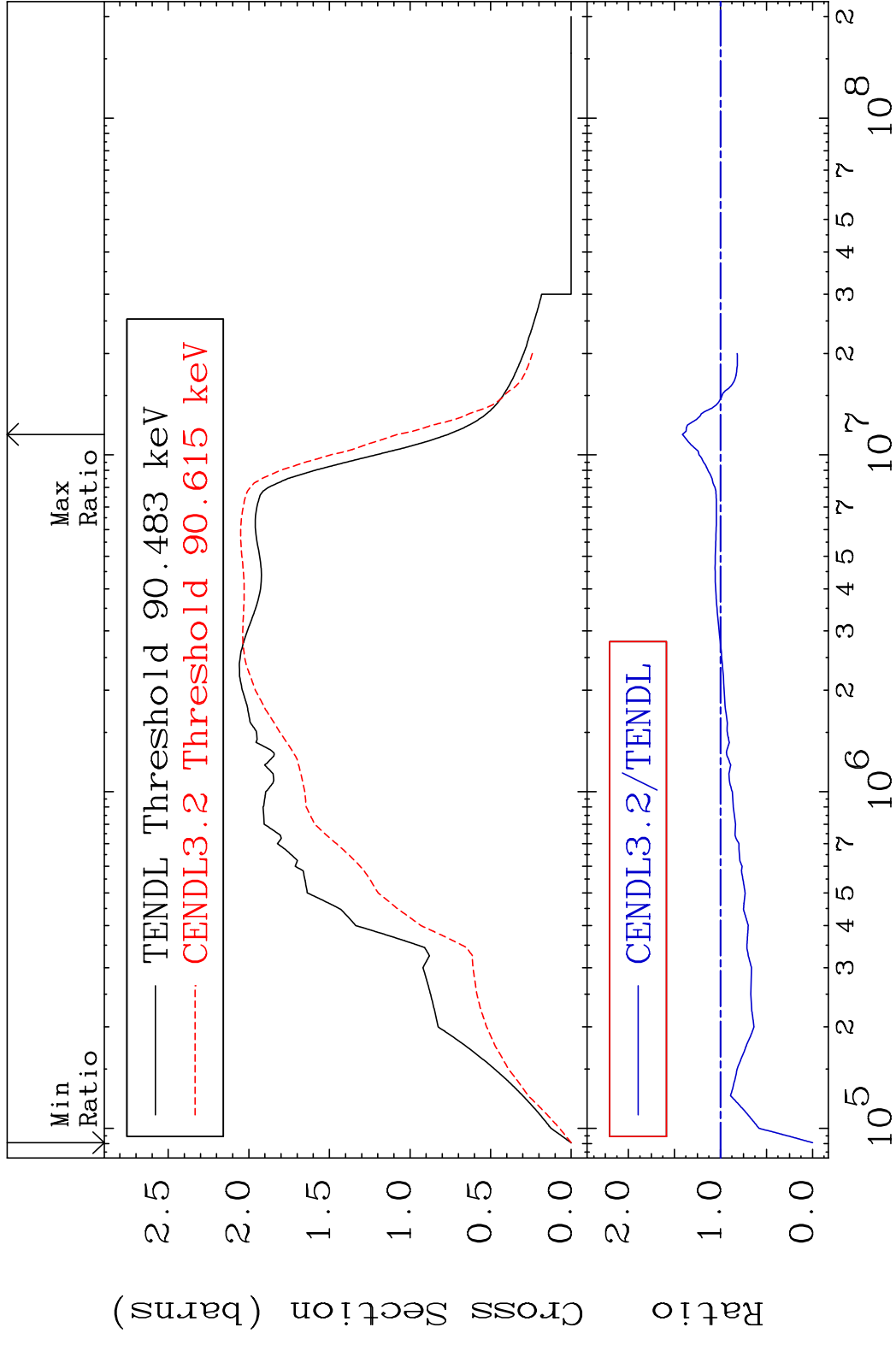


2

Incident Energy (eV)

44-Ru-99

MAT 4434 Inelastic Cross Section -100.0 To 41.37 % 44-Ru-99



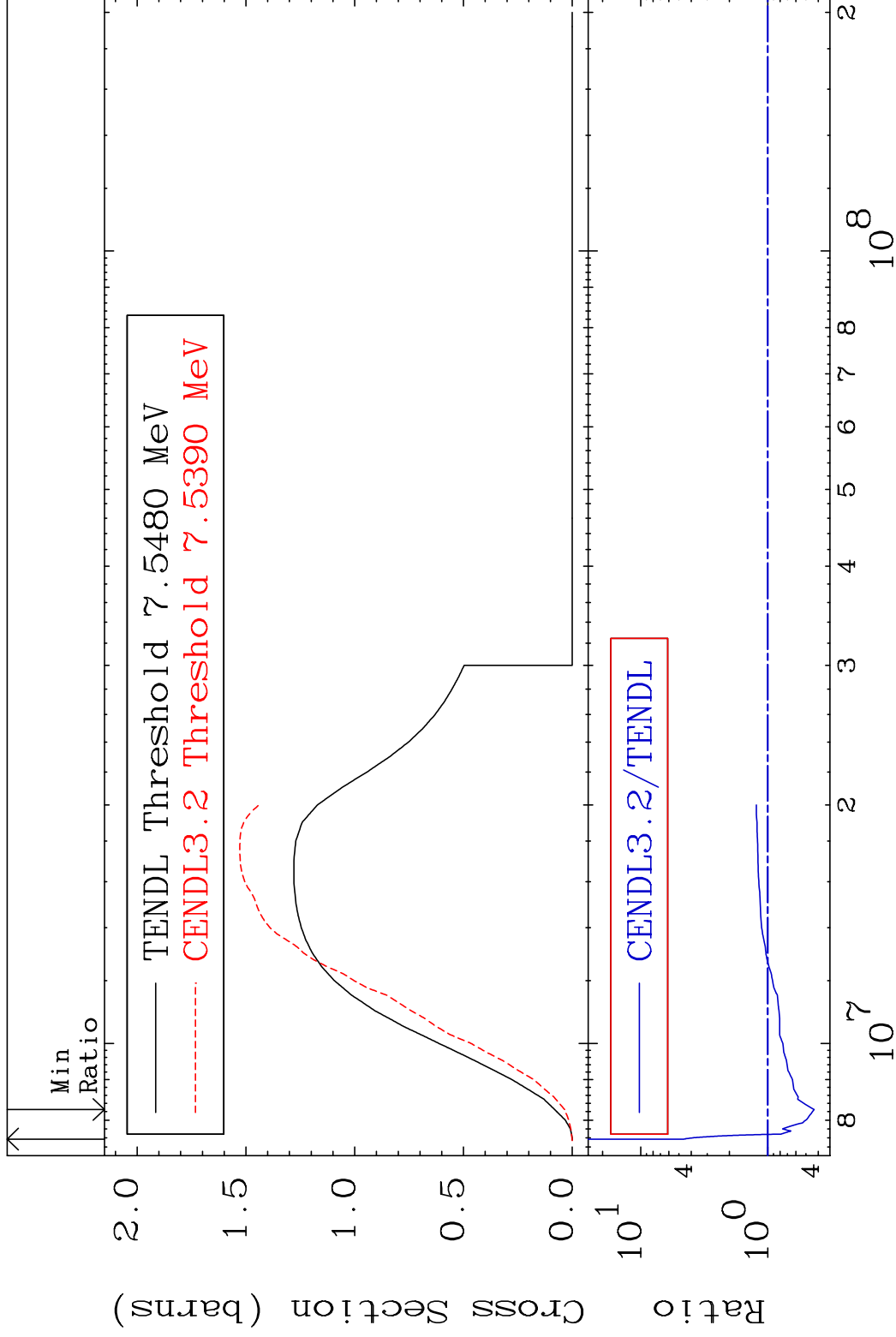
3 Incident Energy (eV) 44-Ru-99

MAT 4434

(n,2n)

44-Ru-99

Cross Section -56.86 To 359.1 %



4

Incident Energy (eV)

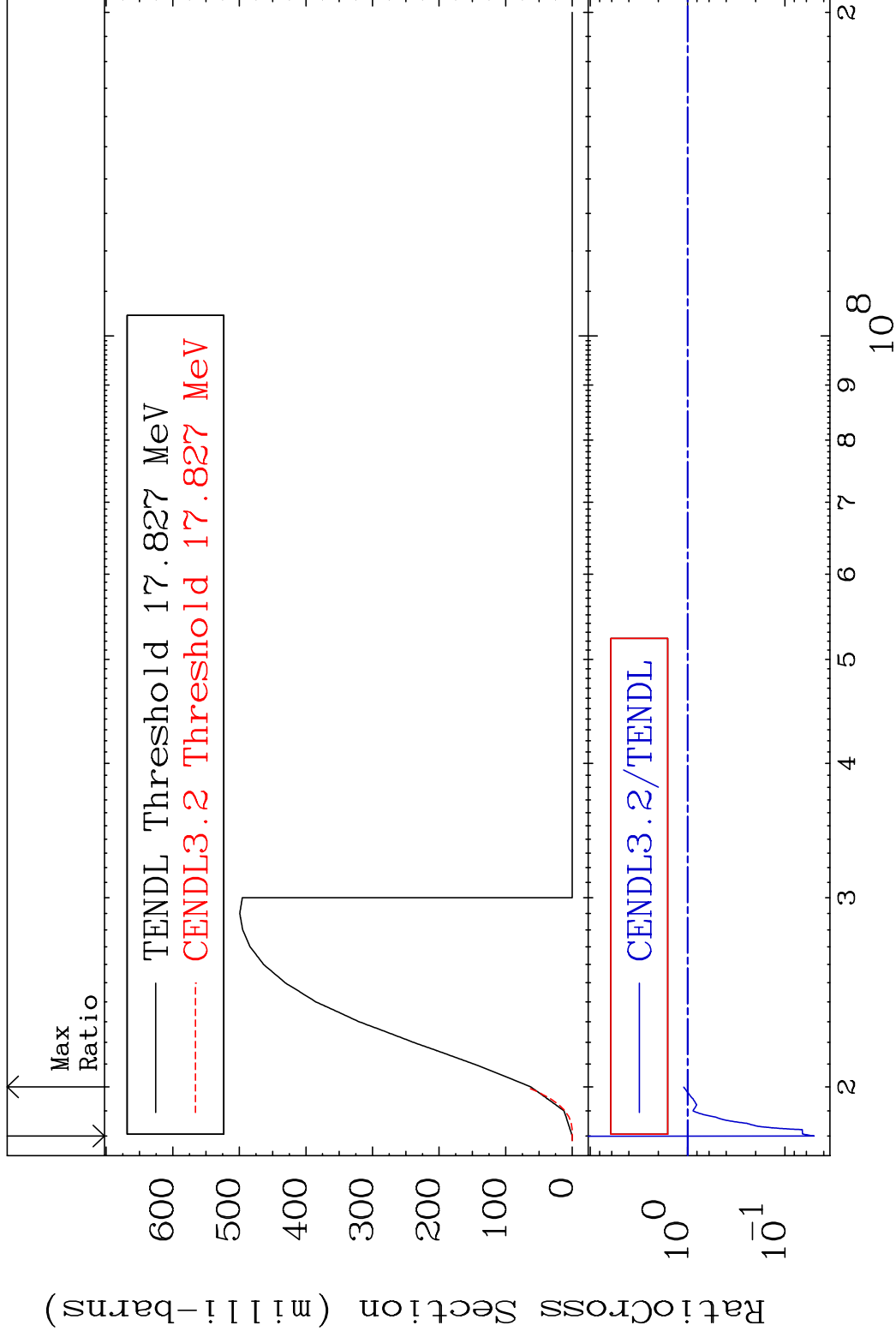
44-Ru-99

MAT 4434

(n,3n)

44-Ru-99

Cross Section -94.99 To 9.606 %



5

Incident Energy (eV)

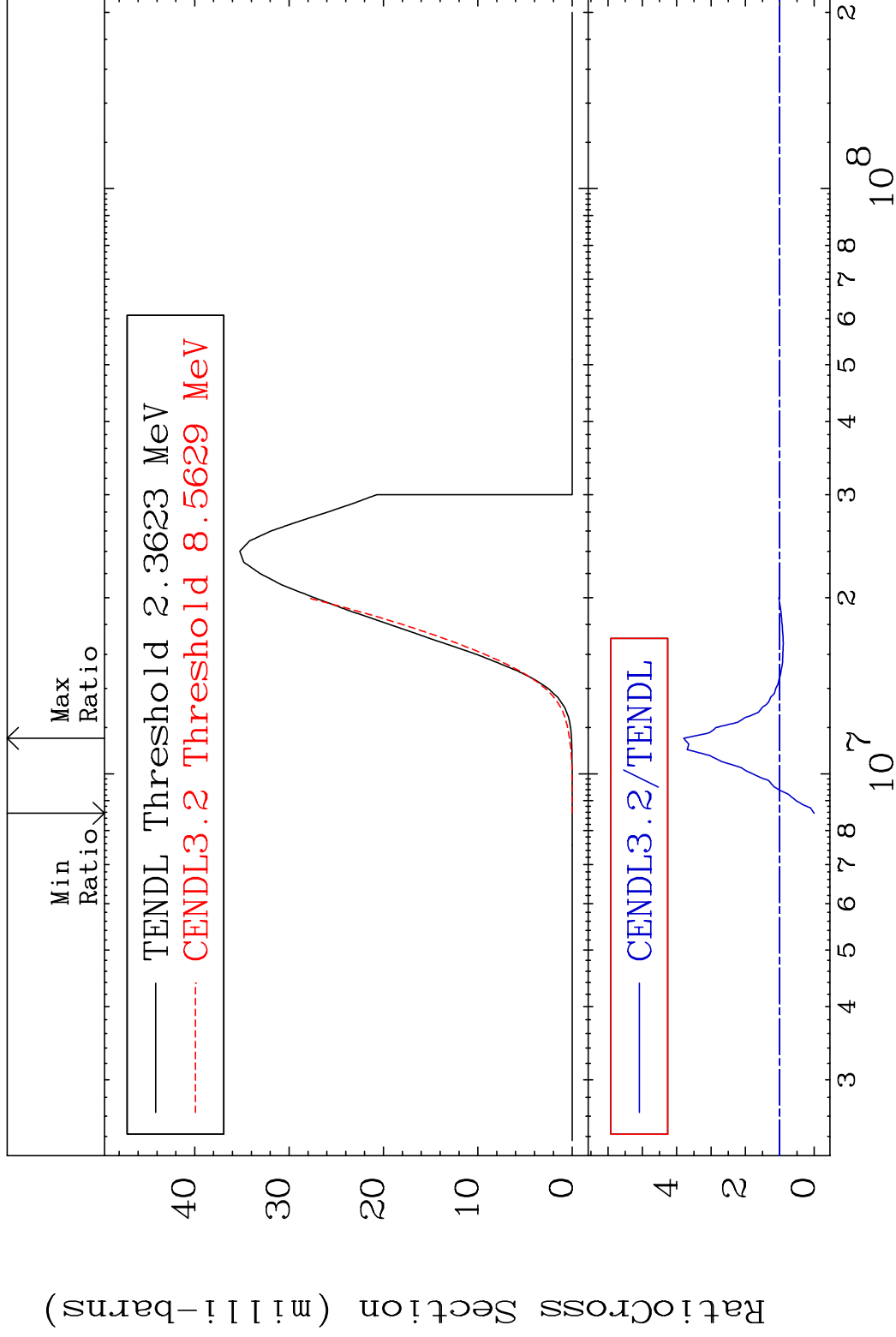
44-Ru-99

MAT 4434

(n, n') α

44-Ru-99

Cross Section -100.0 To 279.7 %



6

Incident Energy (eV)

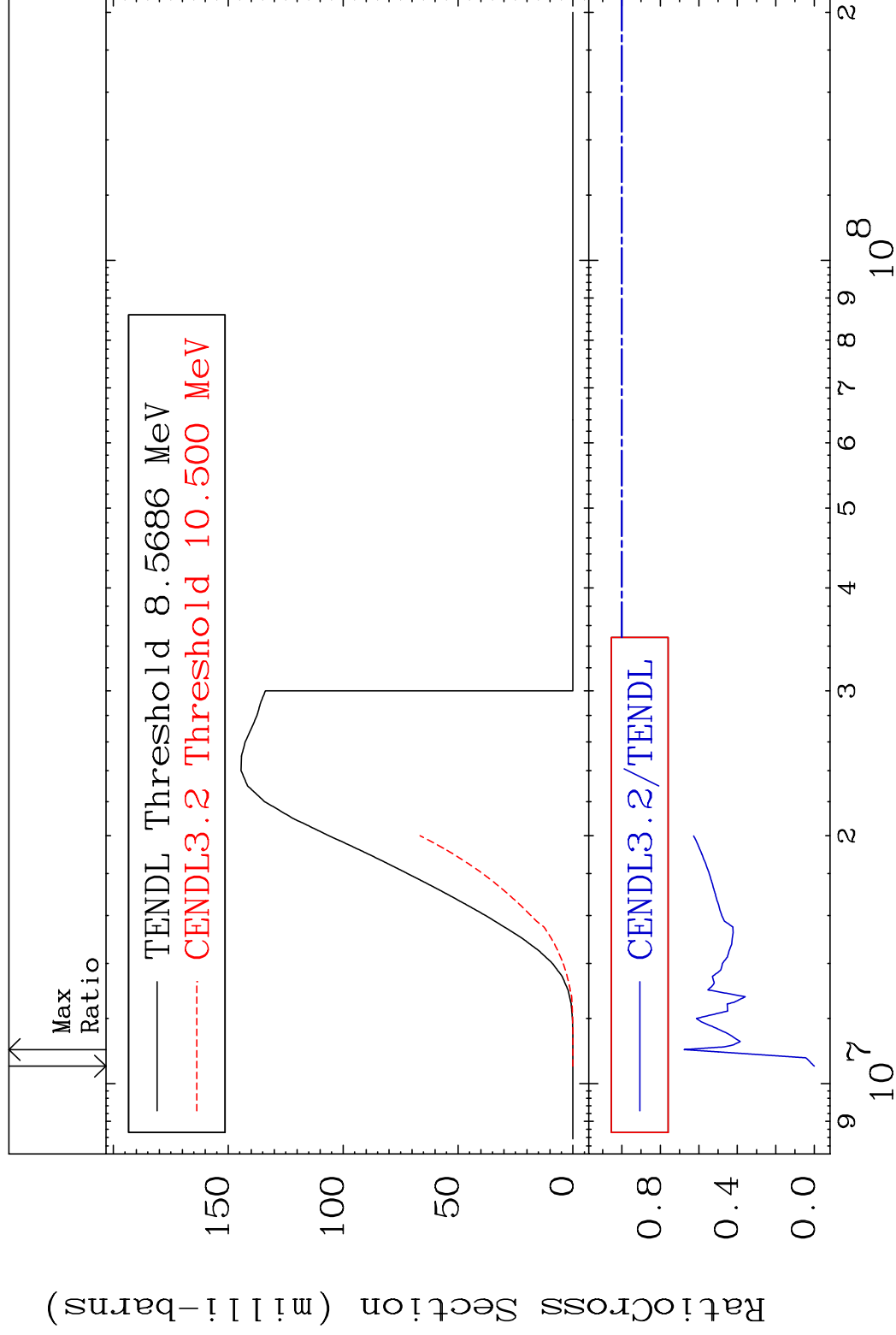
44-Ru-99

MAT 4434

(n, n') p

44-Ru-99

Cross Section -100.0 To -32.33%

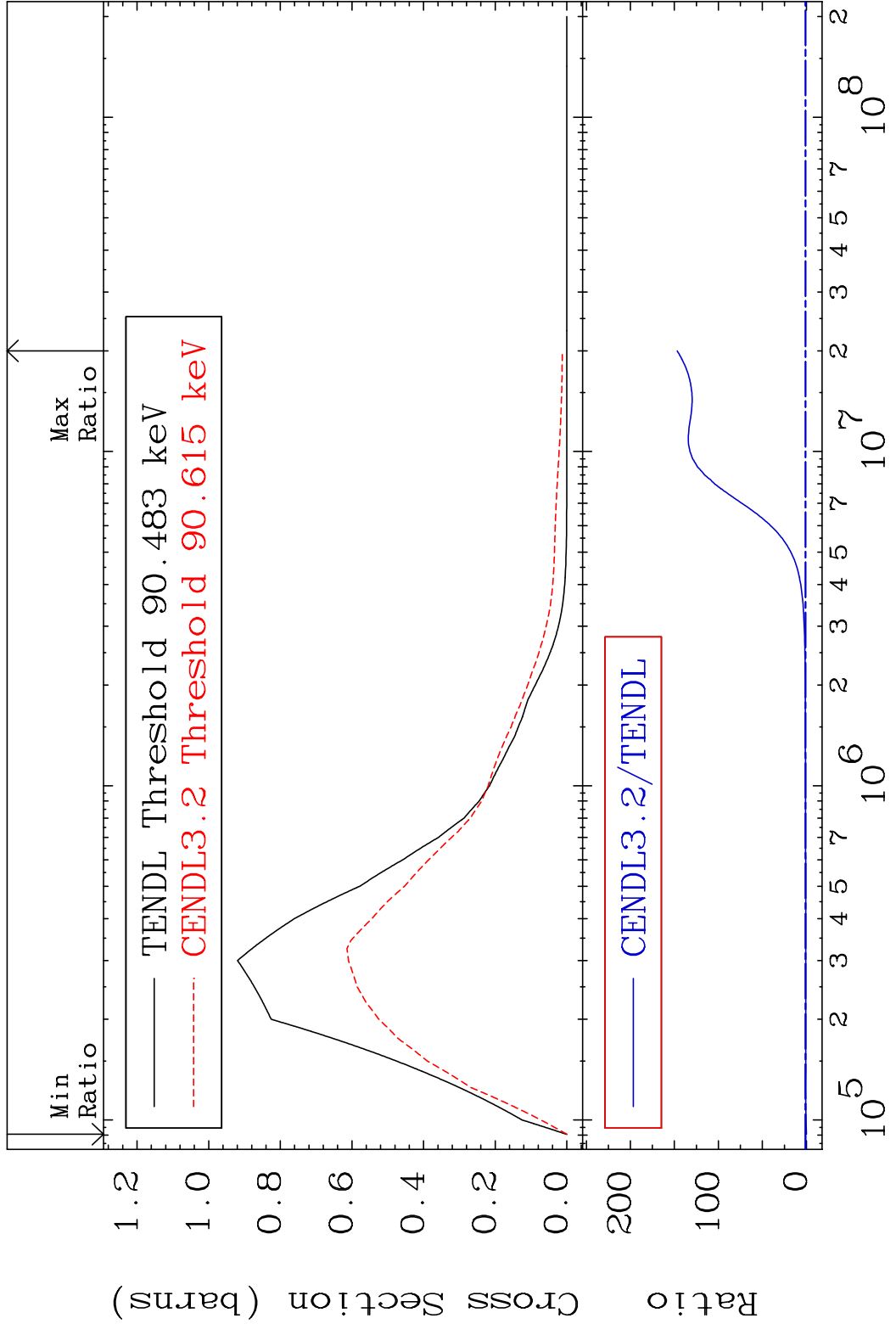


7

Incident Energy (eV)

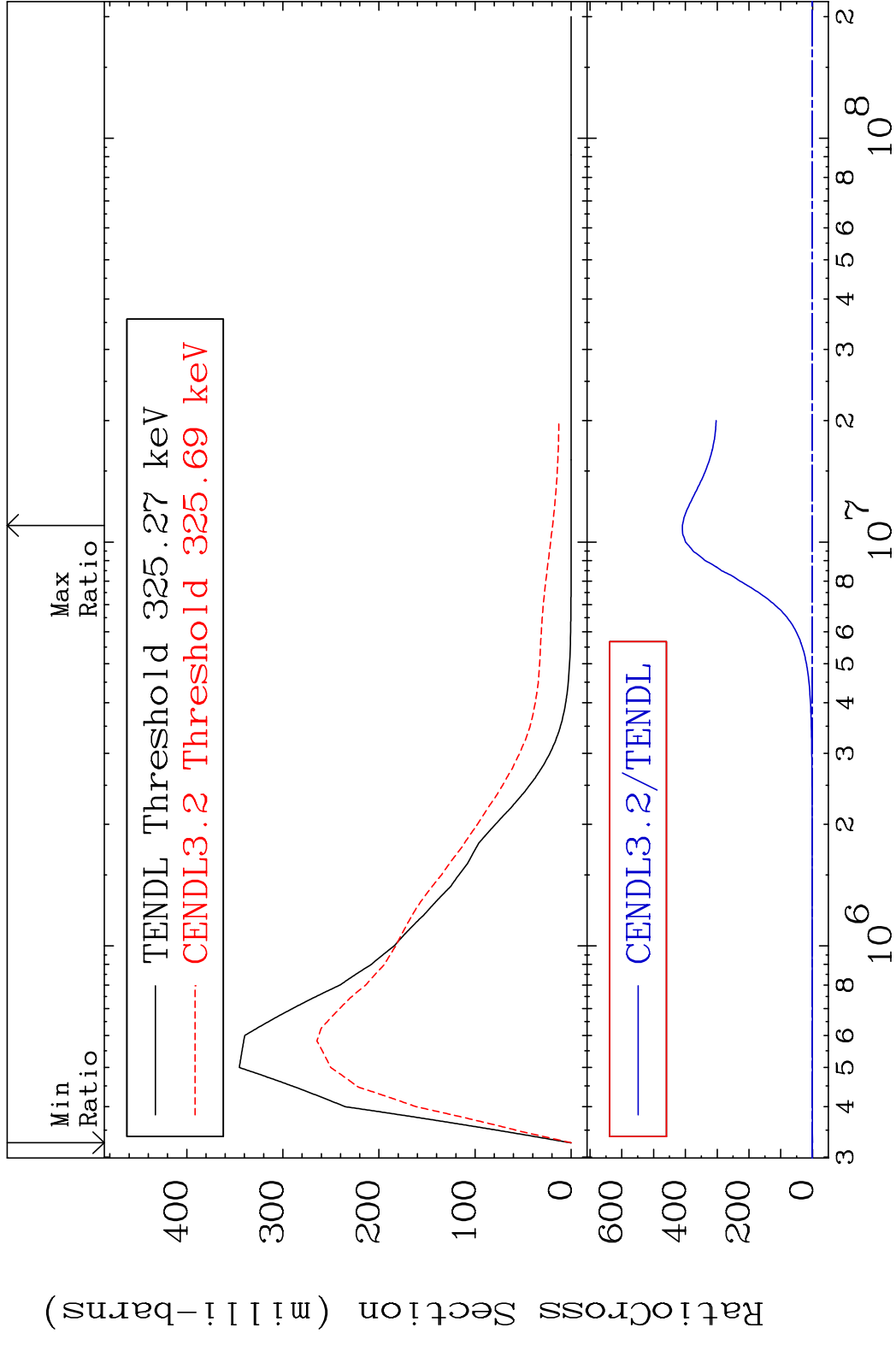
44-Ru-99

MAT 4434 MT= 51 (n,n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %

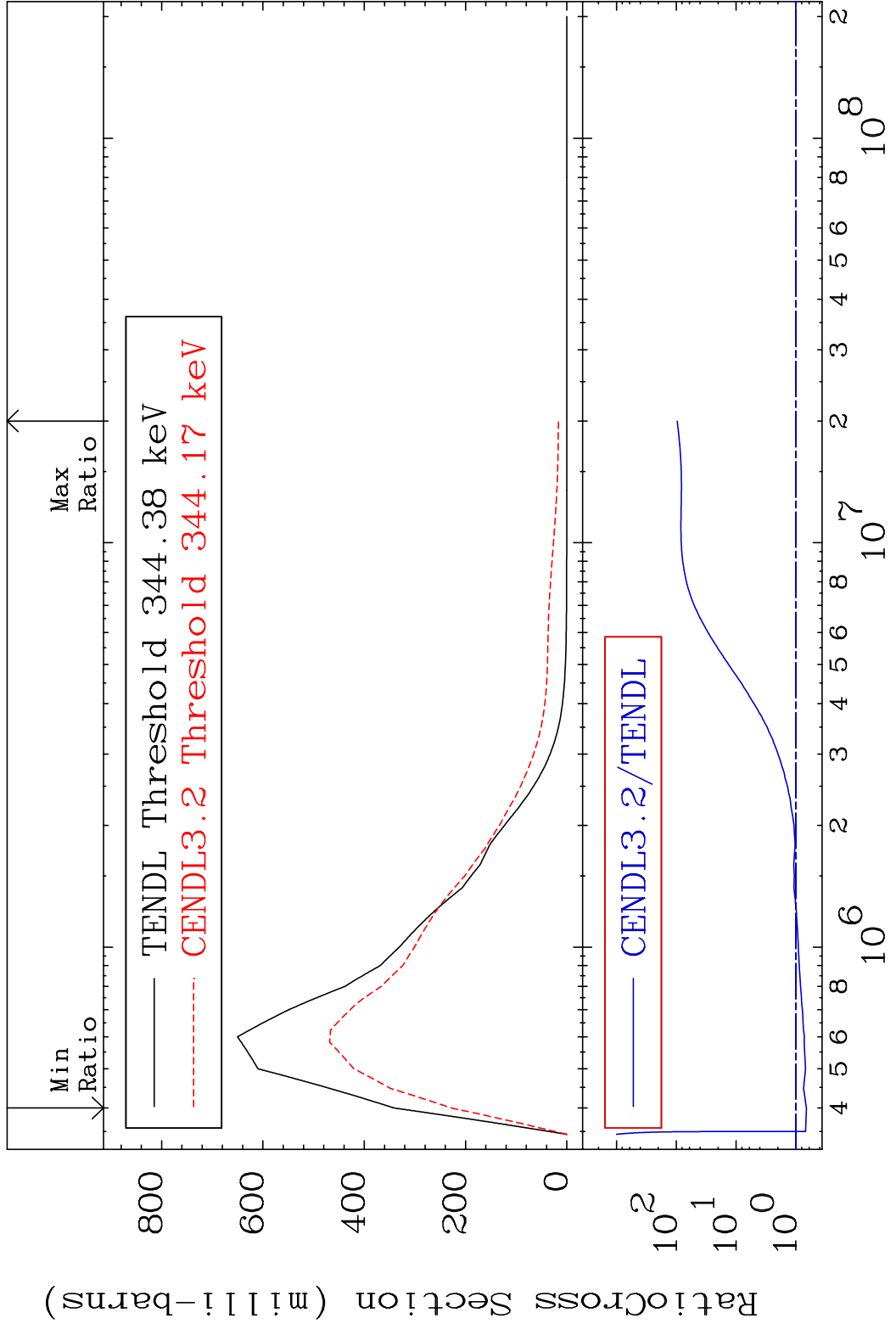


8 Incident Energy (eV) 44-Ru-99

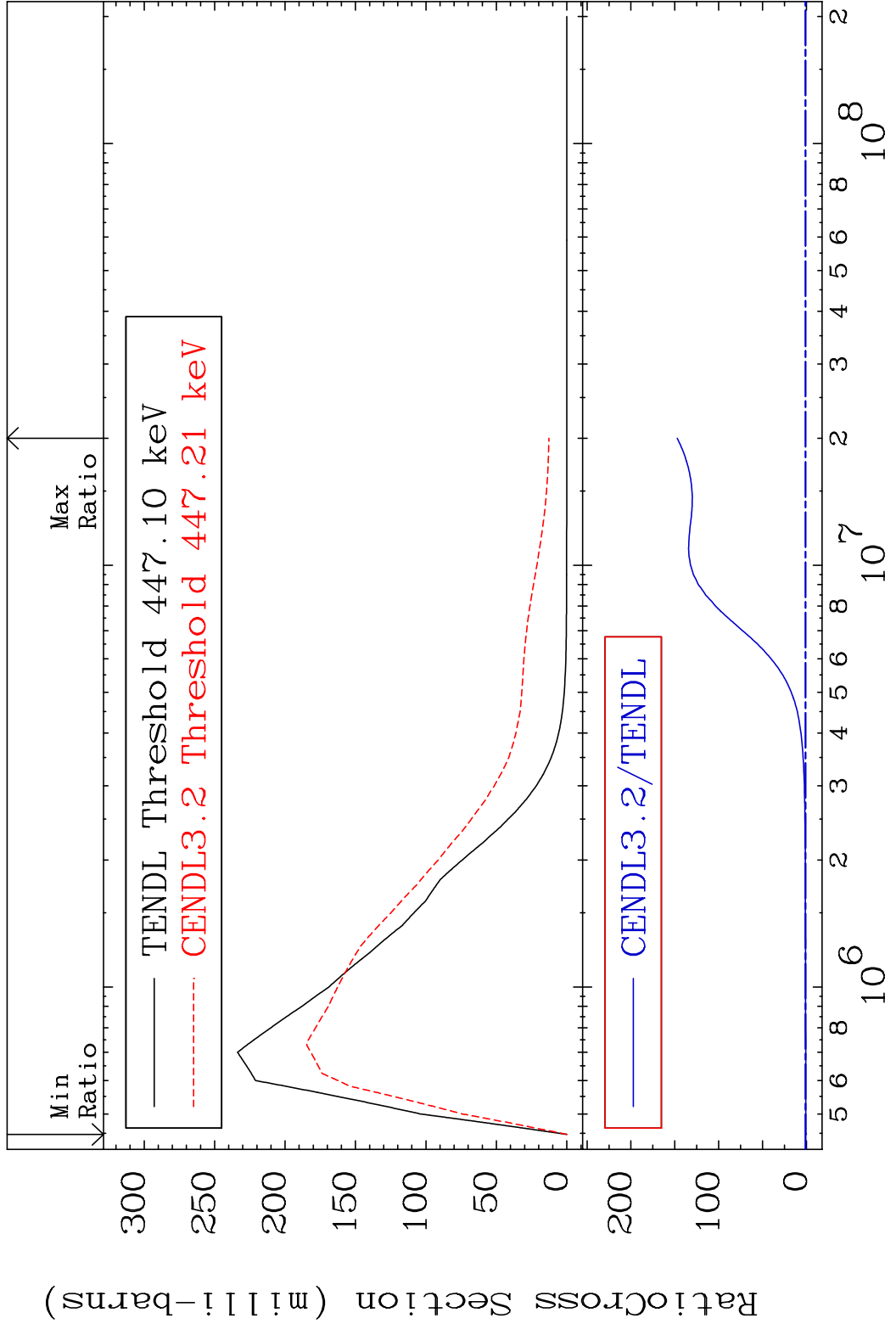
MAT 4434 MT= 52 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %



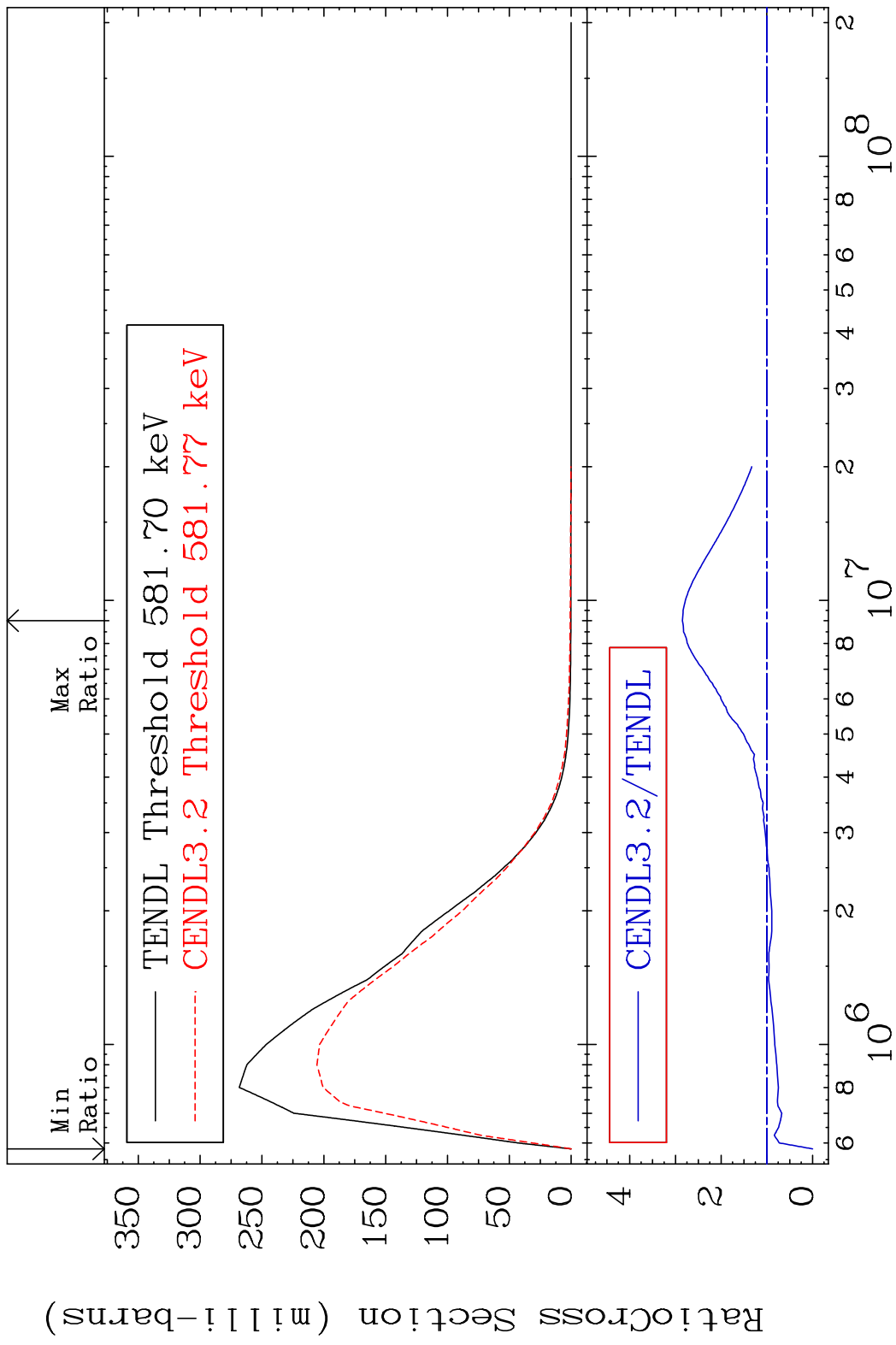
MAT 4434 MT= 53 (n, n') Level 44-Ru-99
 Cross Section -33.27 To 9555. %



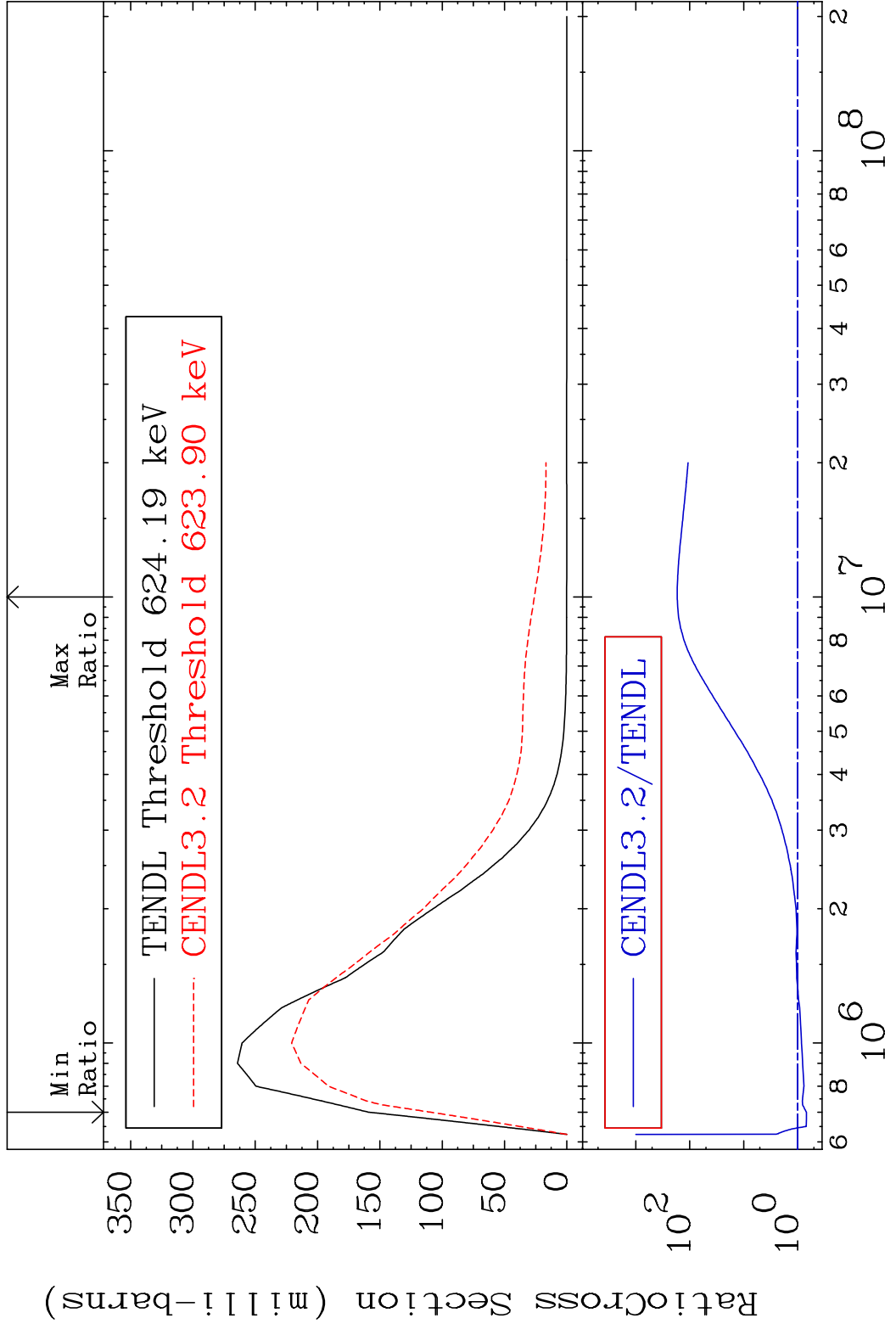
MAT 4434 MT= 54 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %



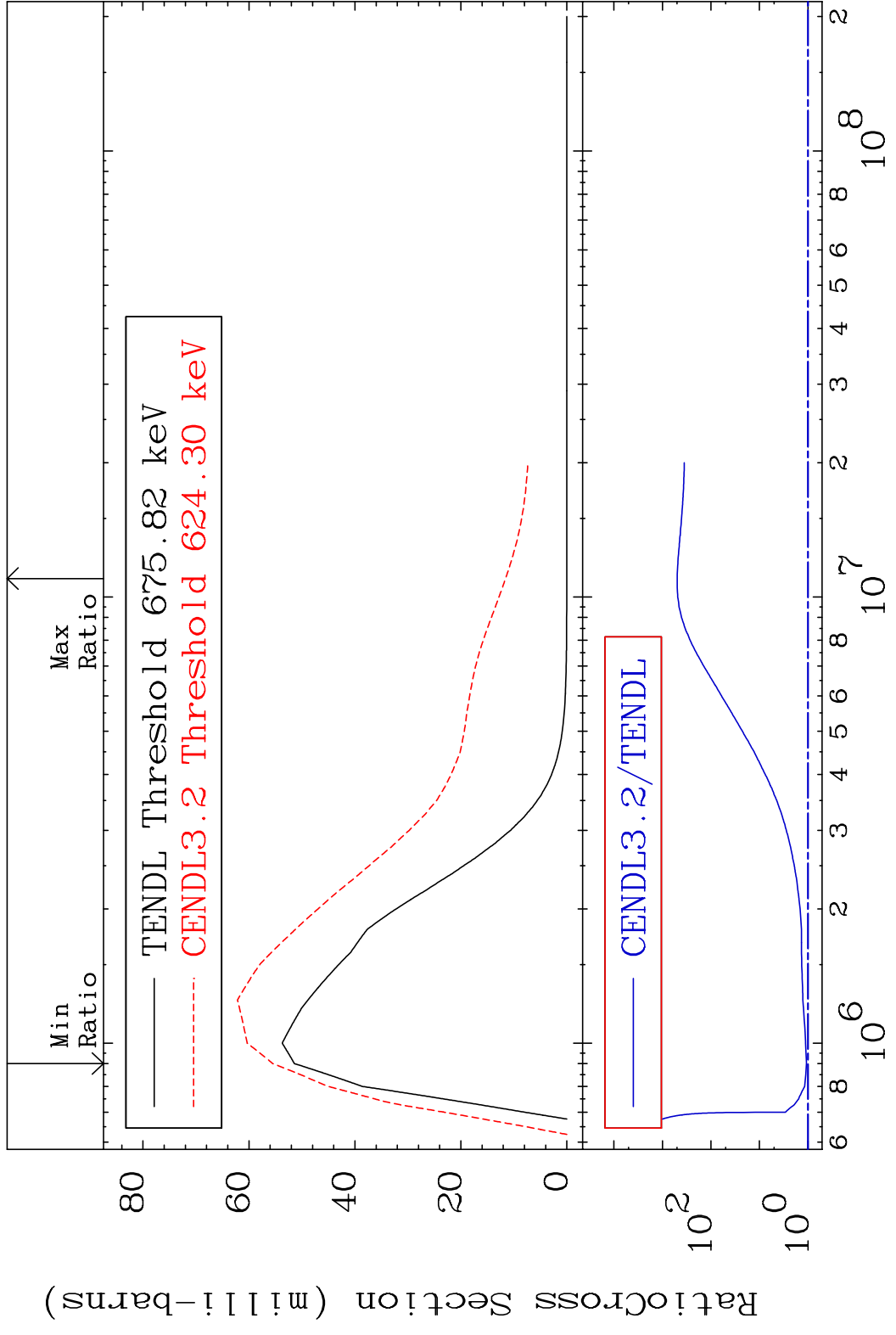
MAT 4434 MT= 55 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 184.9 %



MAT 4434 MT= 56 (n, n') Level 44-Ru-99
 Cross Section -31.19 To 9999. %

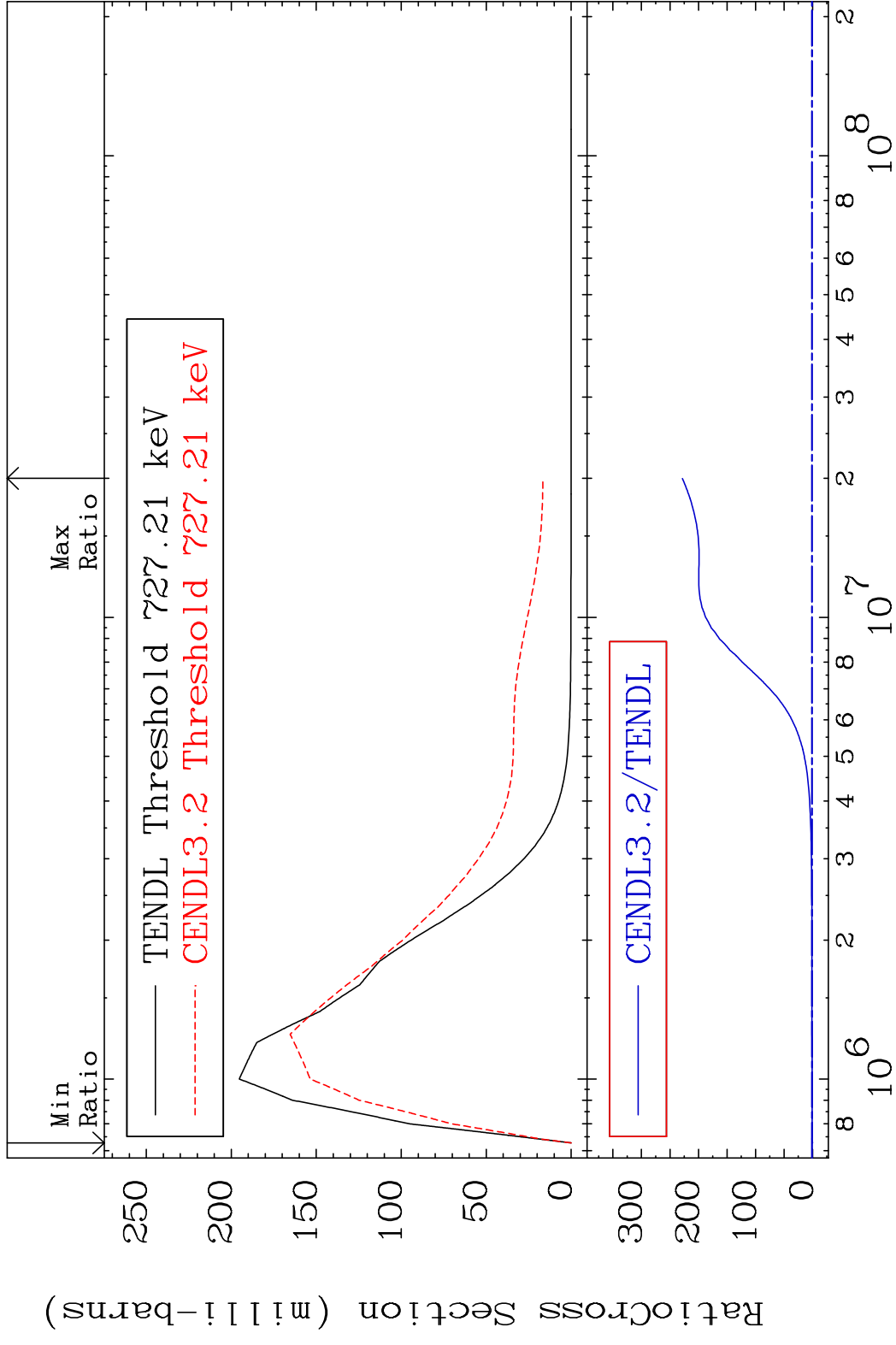


MAT 4434 MT= 57 (n, n') Level 44-Ru-99
 Cross Section 7.949 To 9999. %

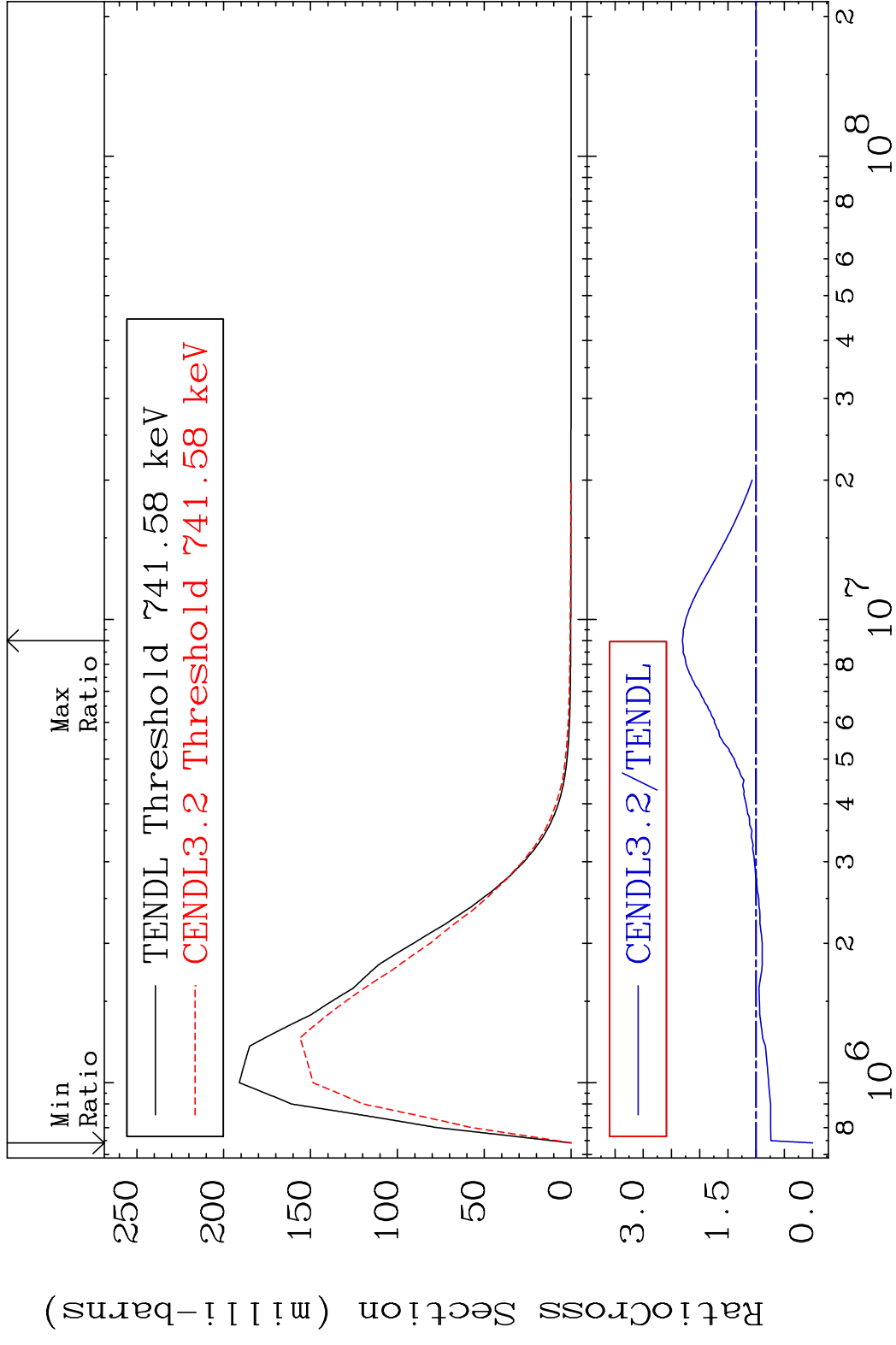


14 Incident Energy (eV) 44-Ru-99

MAT 4434 MT= 58 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %



MAT 4434 MT= 59 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 130.7 %



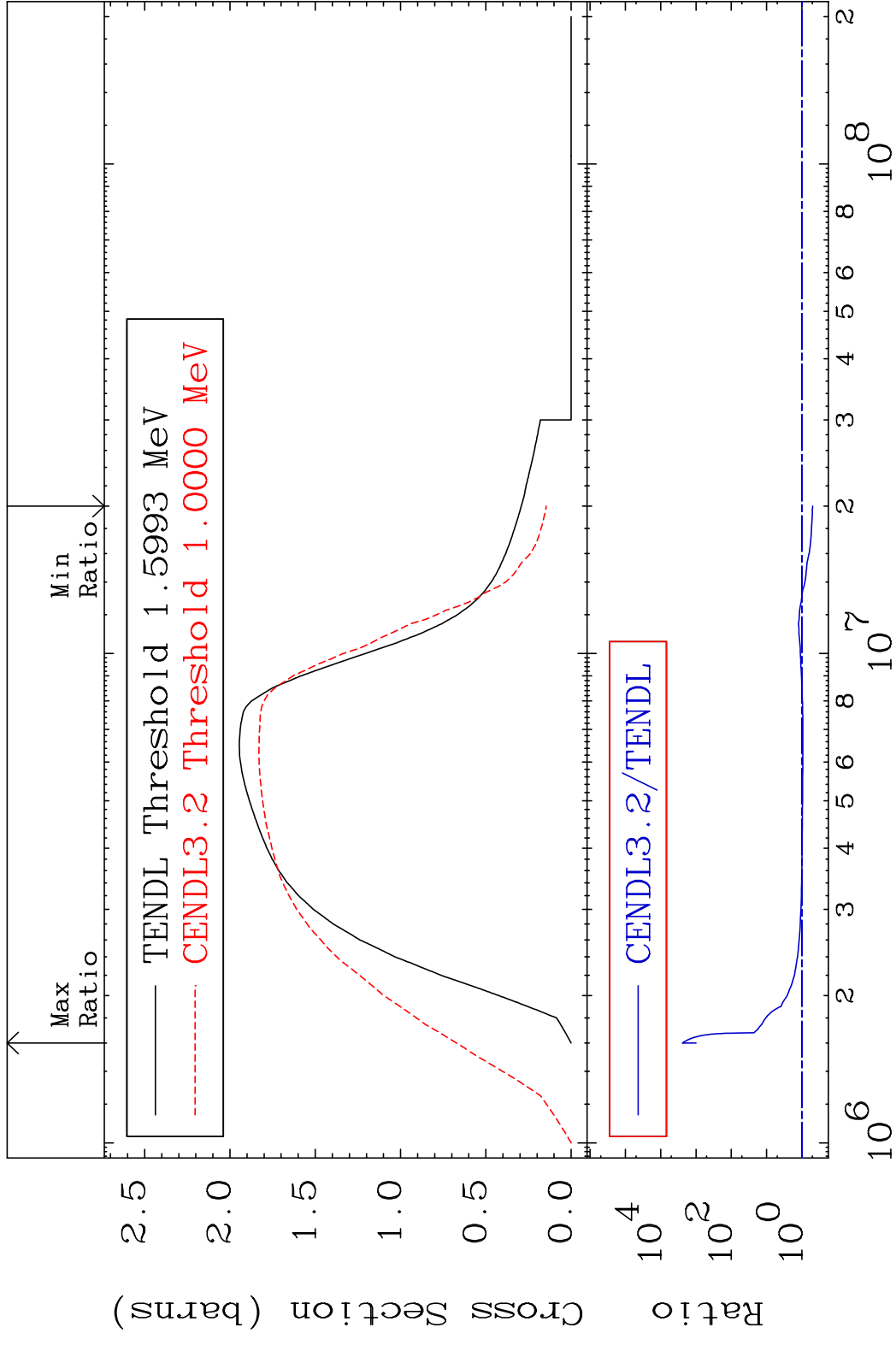
16 Incident Energy (eV) 44-Ru-99

MAT 4434

(n, n') Continuum

44-Ru-99

Cross Section -50.27 To 9999. %



17

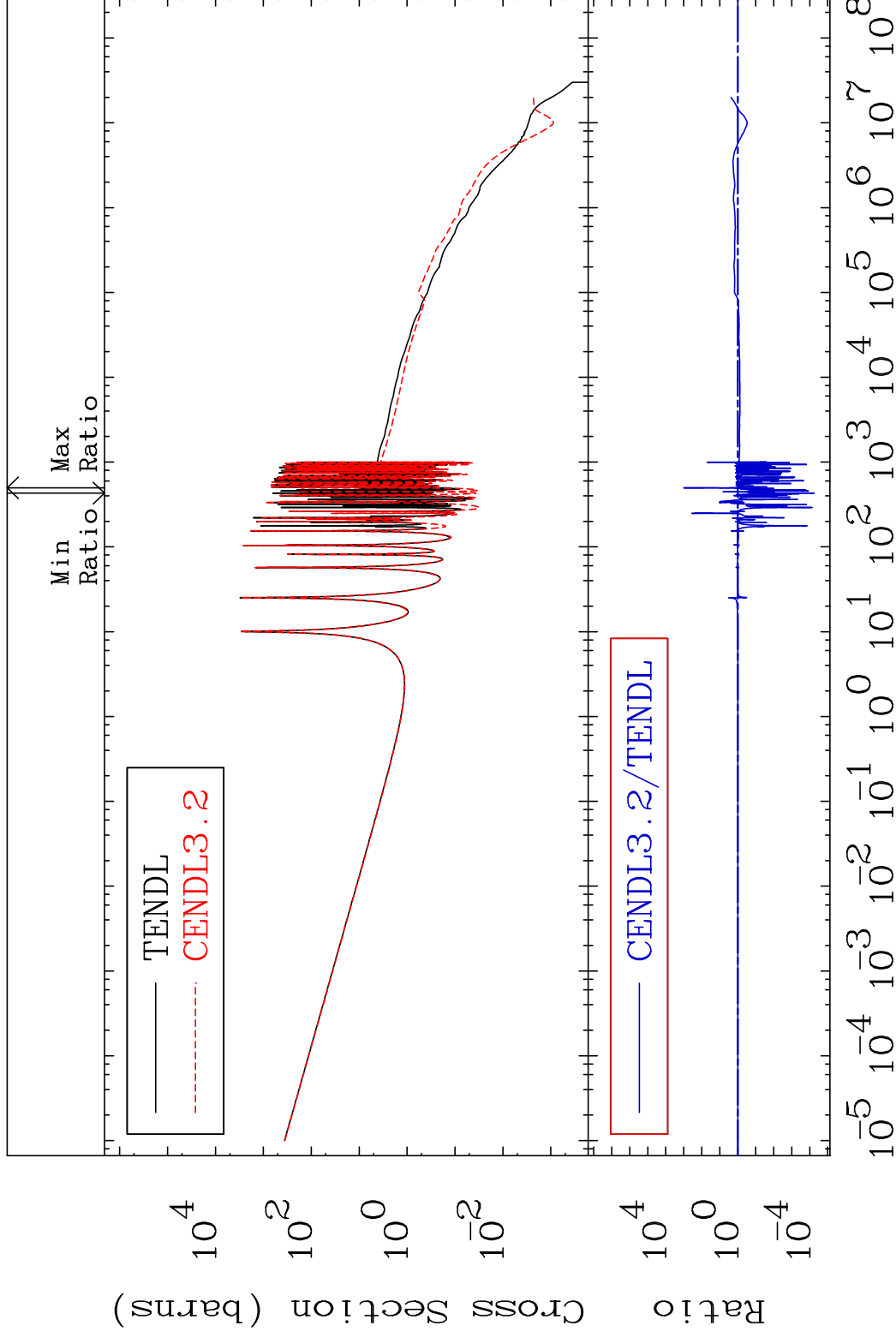
Incident Energy (eV)

44-Ru-99

MAT 4434

(n, γ)
Cross Section -99.99 To 9999. %

44-Ru-99



18

Incident Energy (eV)

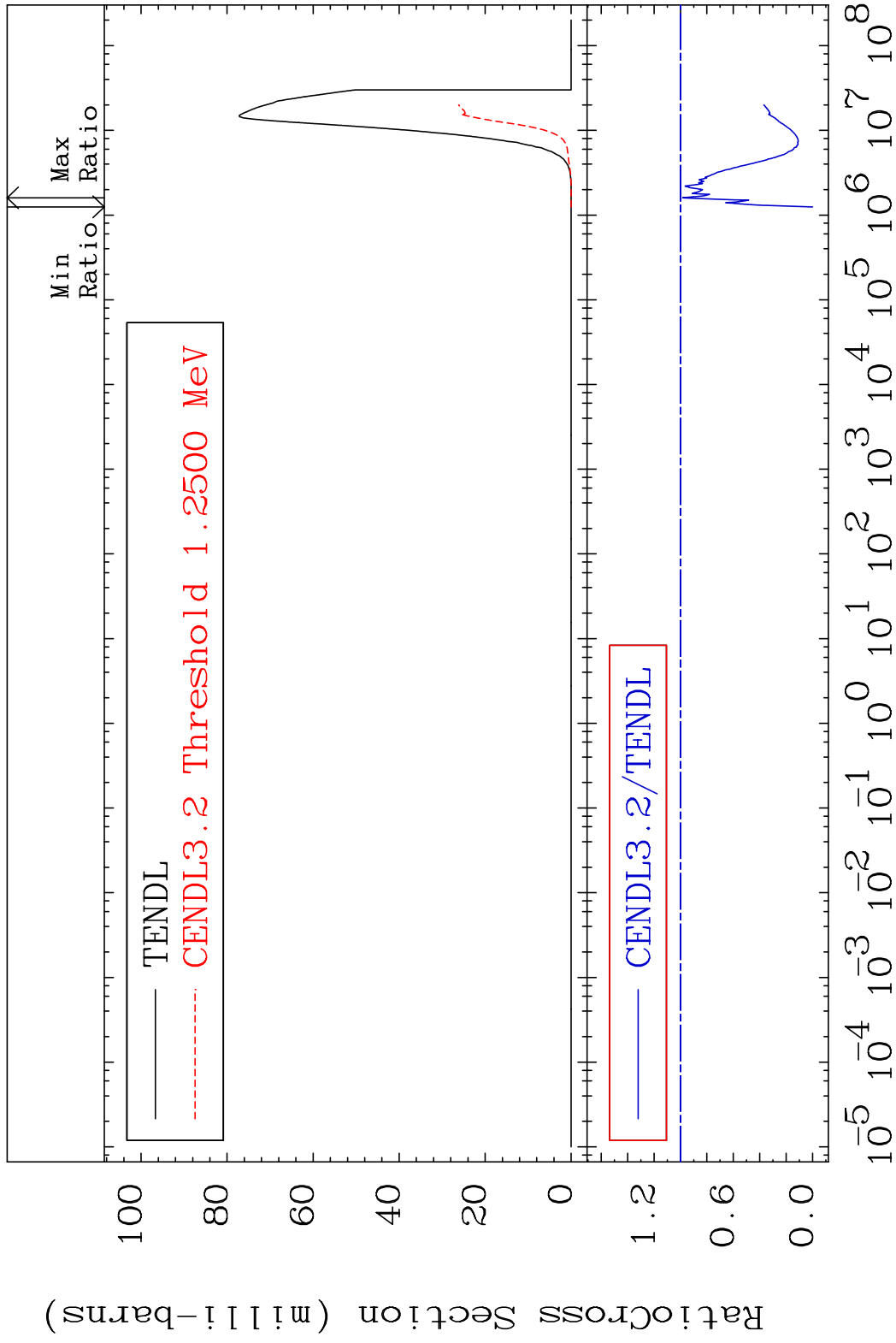
44-Ru-99

MAT 4434

(n, p)

44-Ru-99

Cross Section -100.0 To -1.427%



19

Incident Energy (eV)

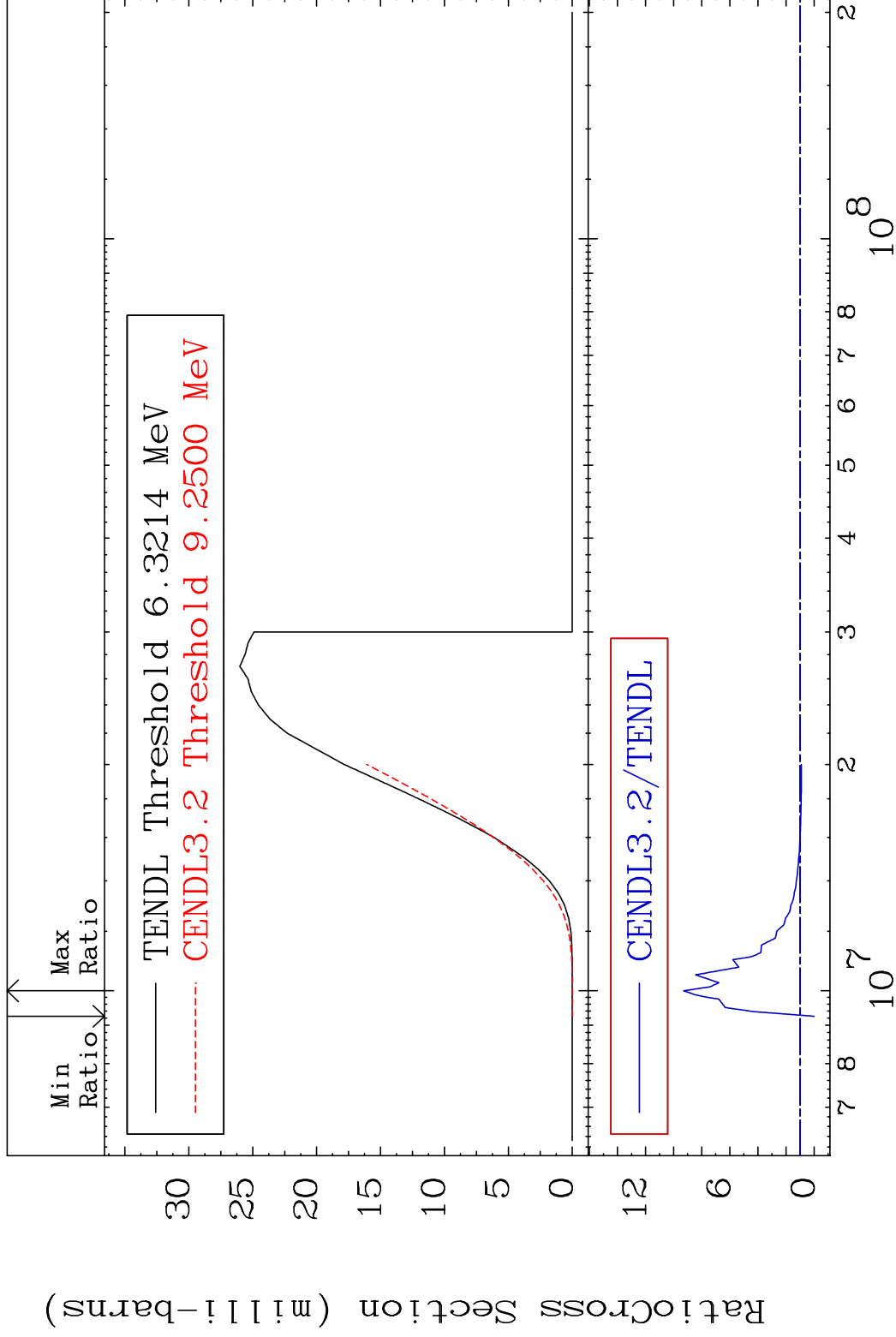
44-Ru-99

MAT 4434

(n,d)

44-Ru-99

Cross Section -100.0 To 828.6 %



20

Incident Energy (eV)

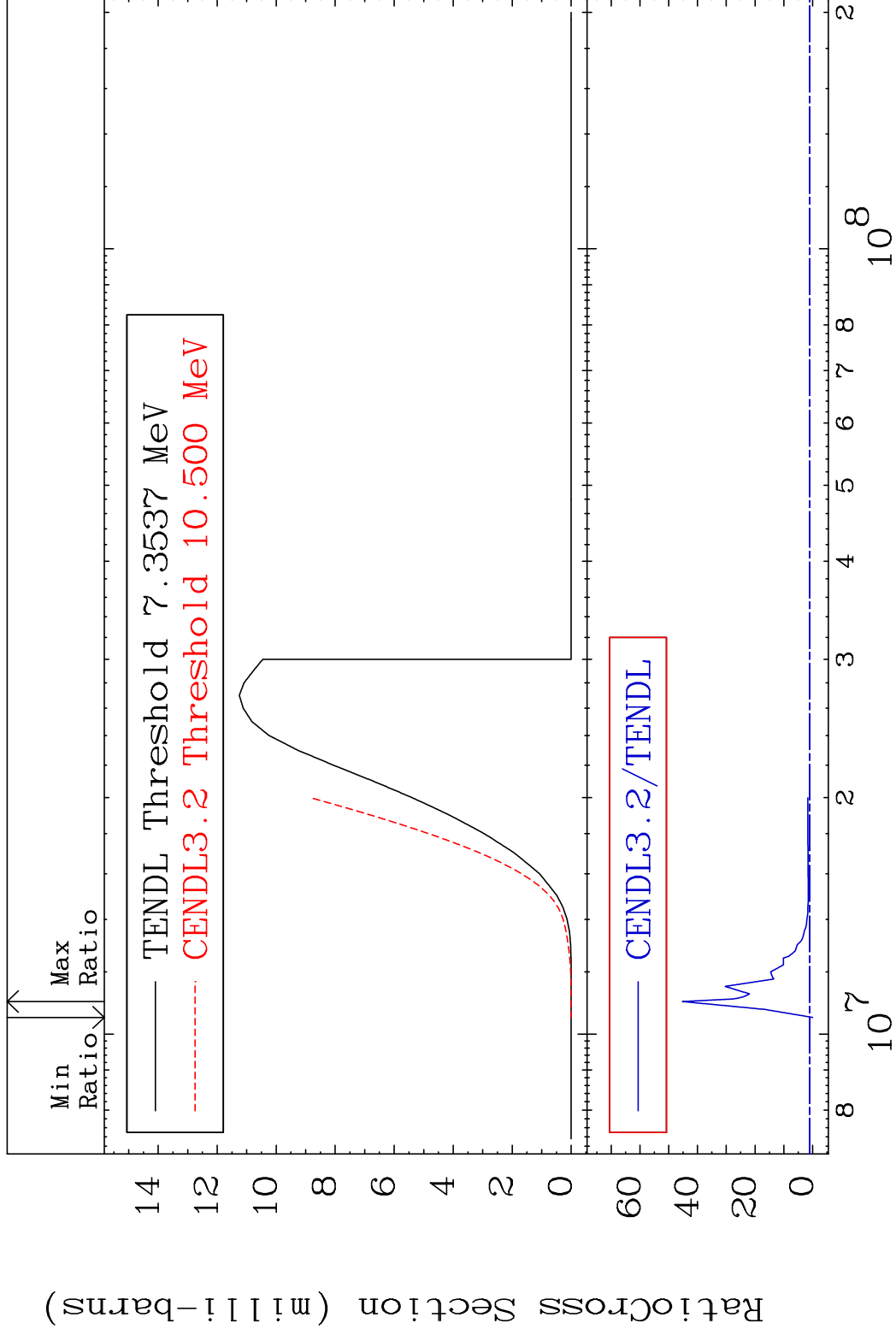
44-Ru-99

MAT 4434

(n, t)

44-Ru-99

Cross Section -100.0 To 4427. %



21

Incident Energy (eV)

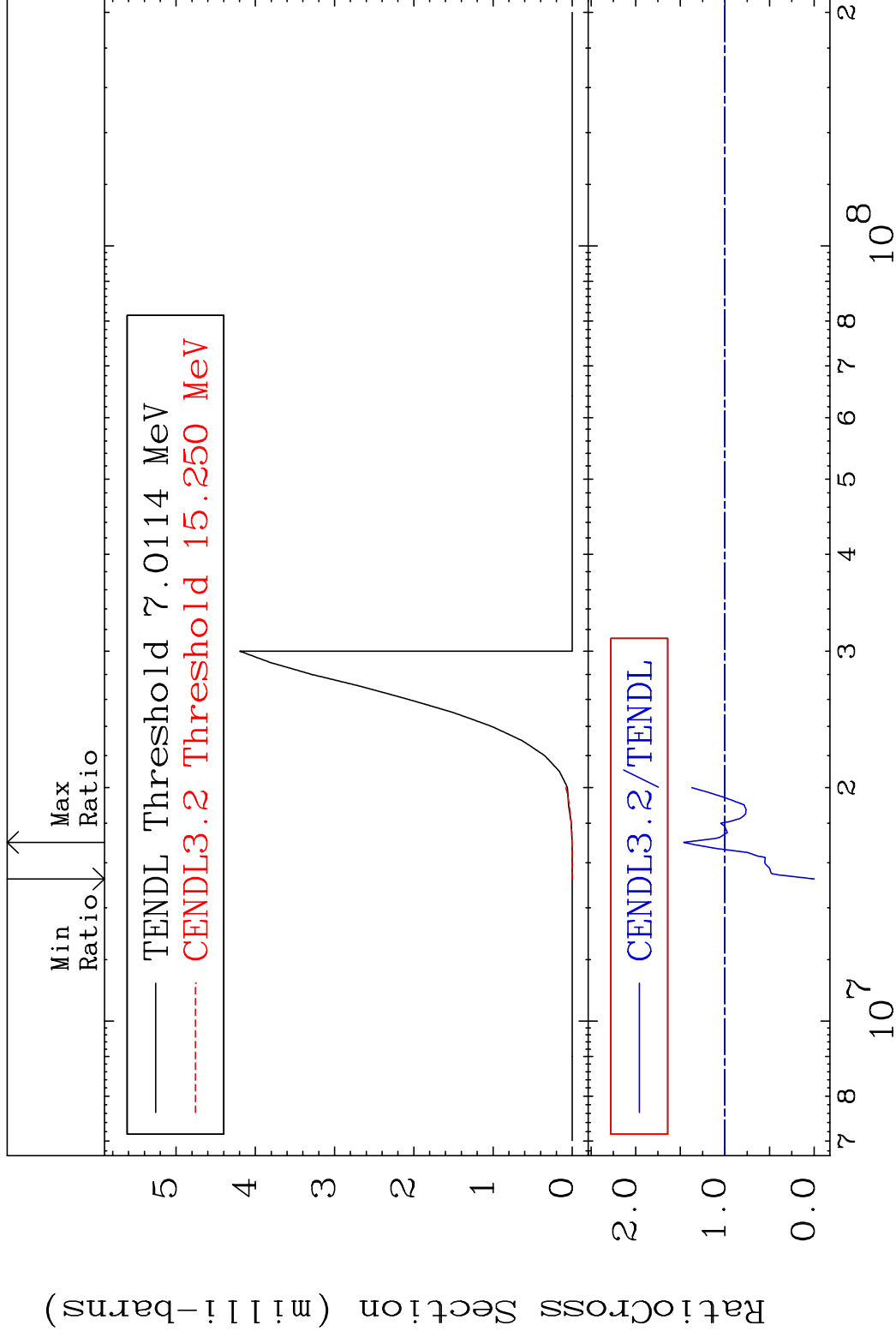
44-Ru-99

MAT 4434

(n, He-3)

44-Ru-99

Cross Section -100.0 To 46.21 %



22

Incident Energy (eV)

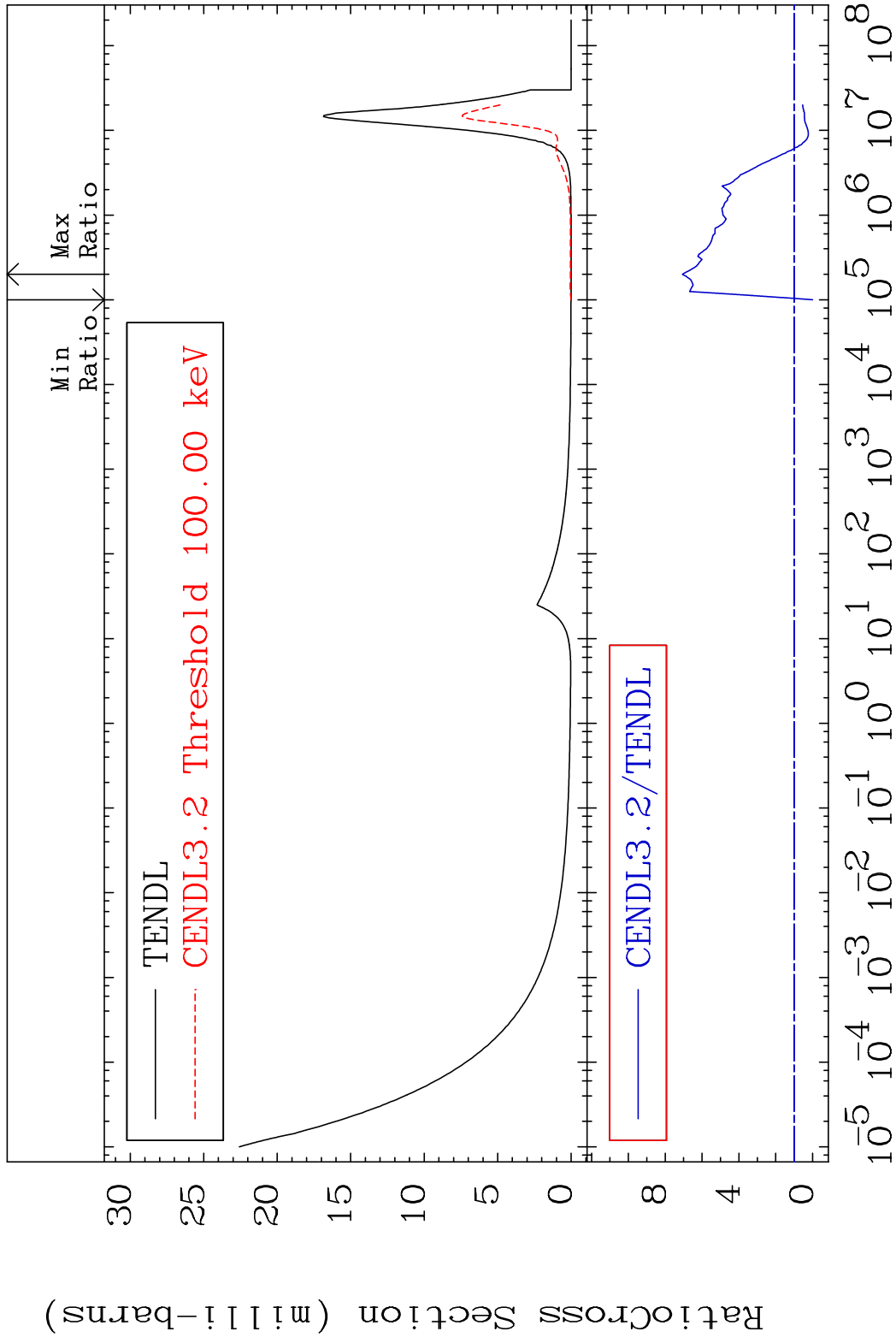
44-Ru-99

MAT 4434

(n, α)

44-Ru-99

Cross Section -100.0 To 607.0 %



23

Incident Energy (eV)

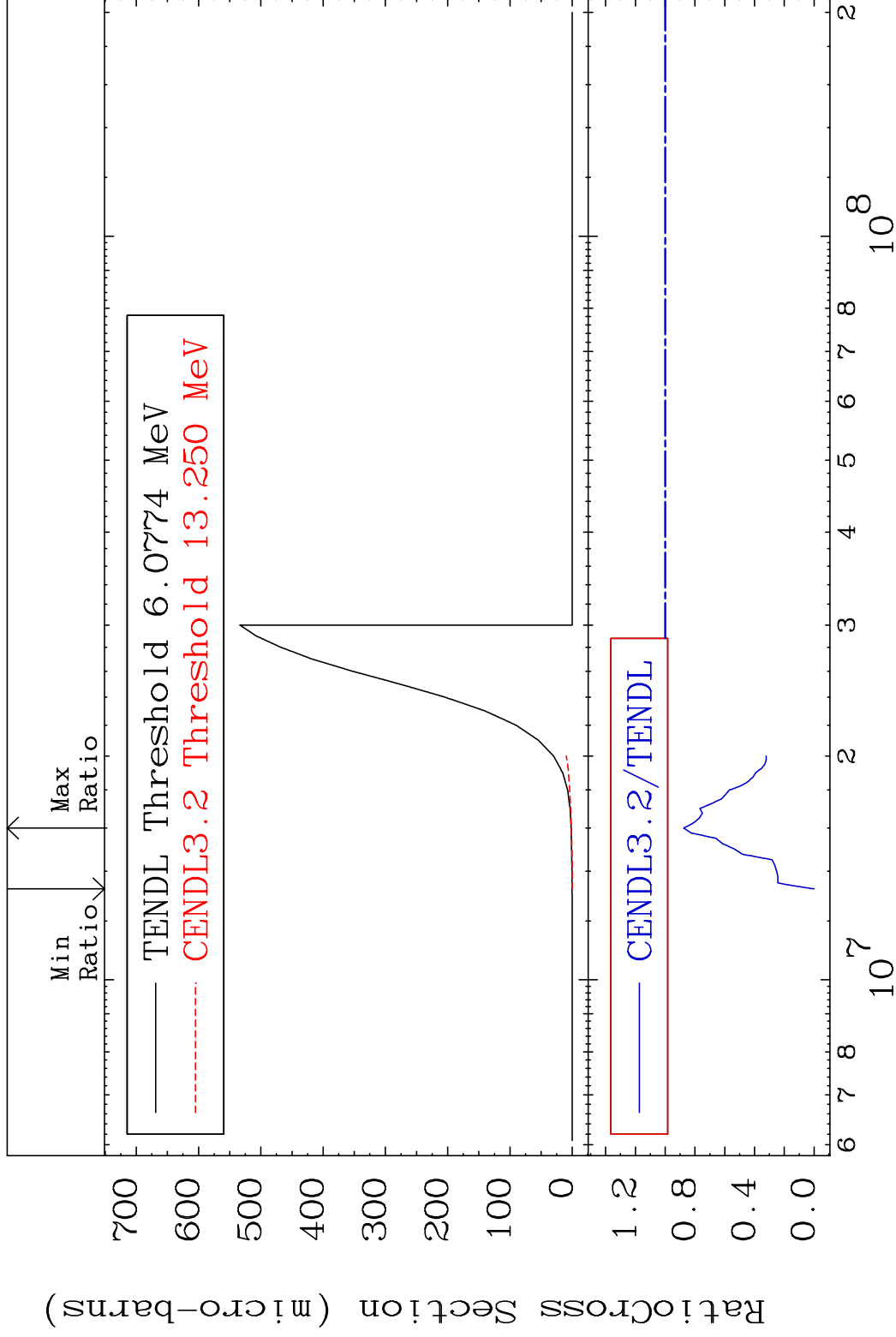
44-Ru-99

MAT 4434

(n,2p)

44-Ru-99

Cross Section -100.0 To -12.40%



24

Incident Energy (eV)

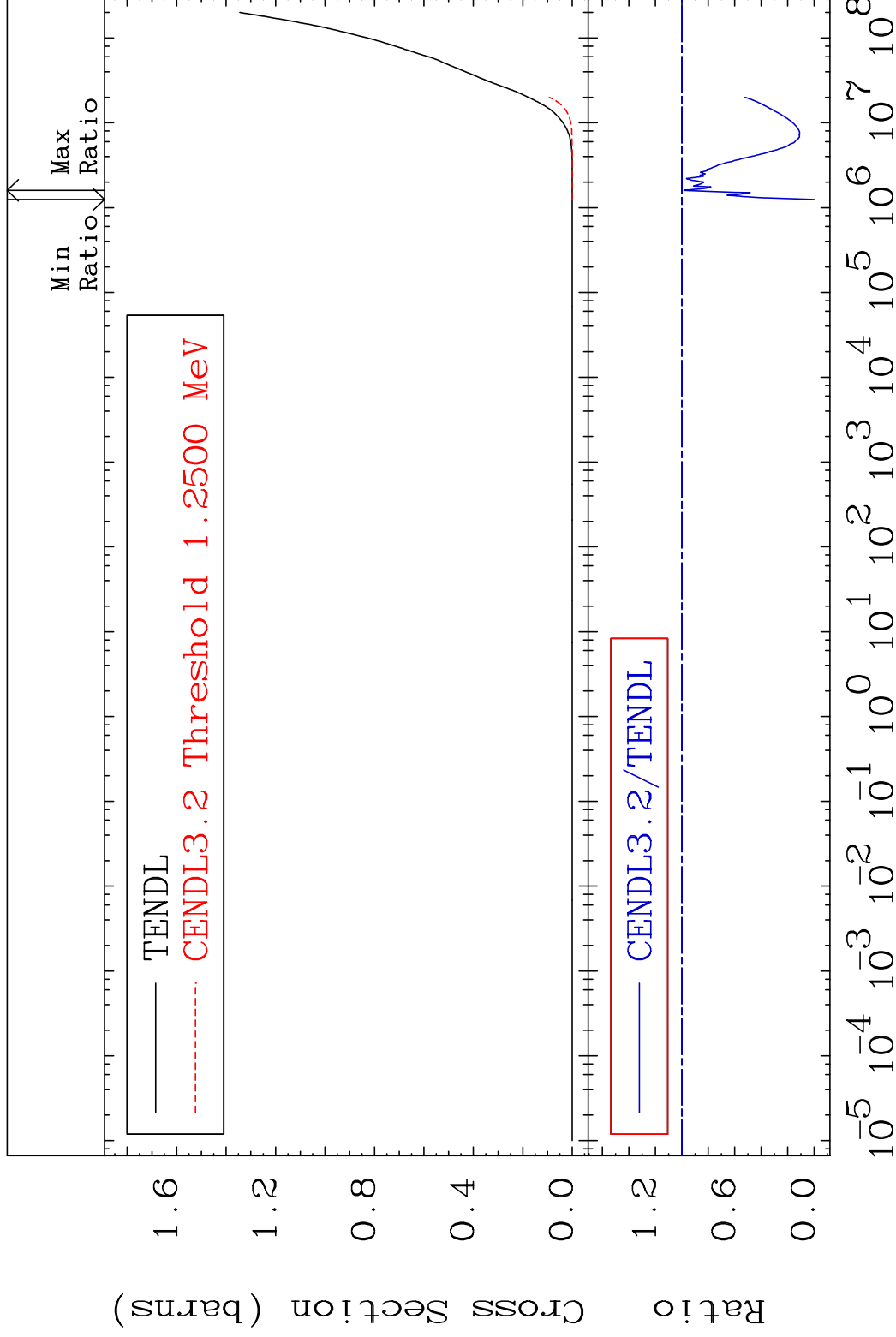
44-Ru-99

MAT 4434

Hydrogen Production

44-Ru-99

Cross Section -100.0 To -1.427%



25

Incident Energy (eV)

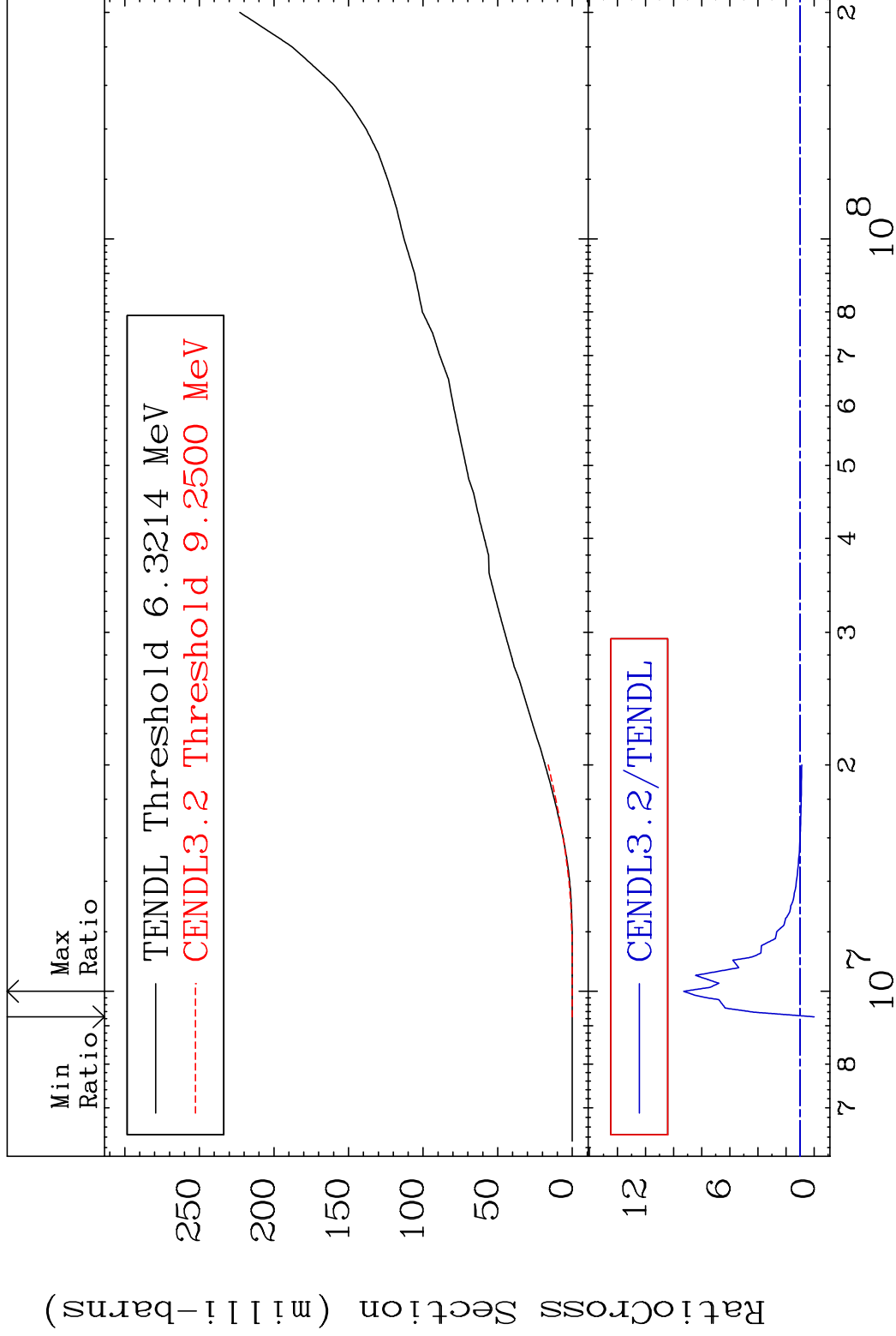
44-Ru-99

MAT 4434

Deuterium Production

44-Ru-99

Cross Section -100.0 To 828.6 %



26

Incident Energy (eV)

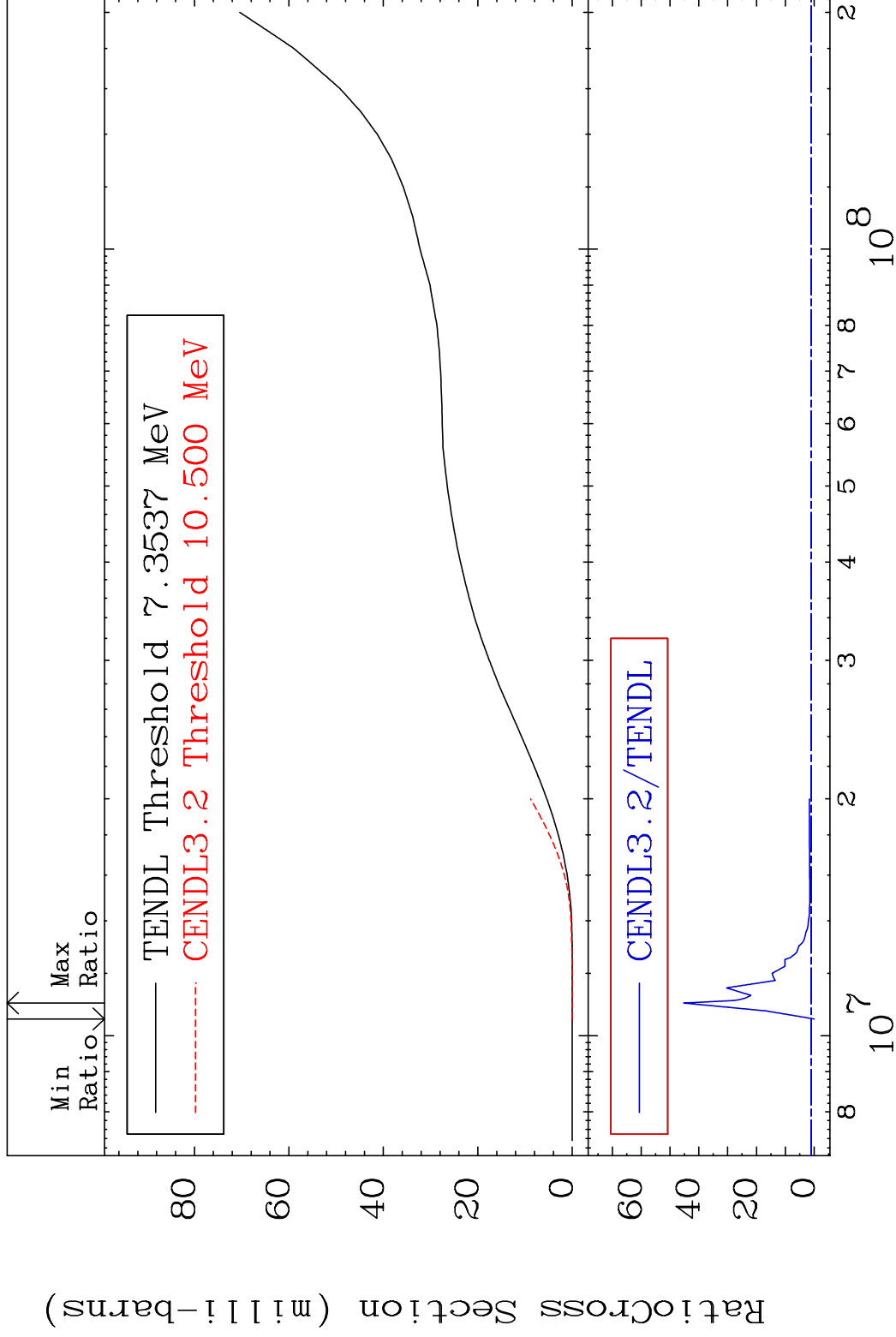
44-Ru-99

MAT 4434

Tritium Production

44-Ru-99

Cross Section -100.0 To 4427. %



27

Incident Energy (eV)

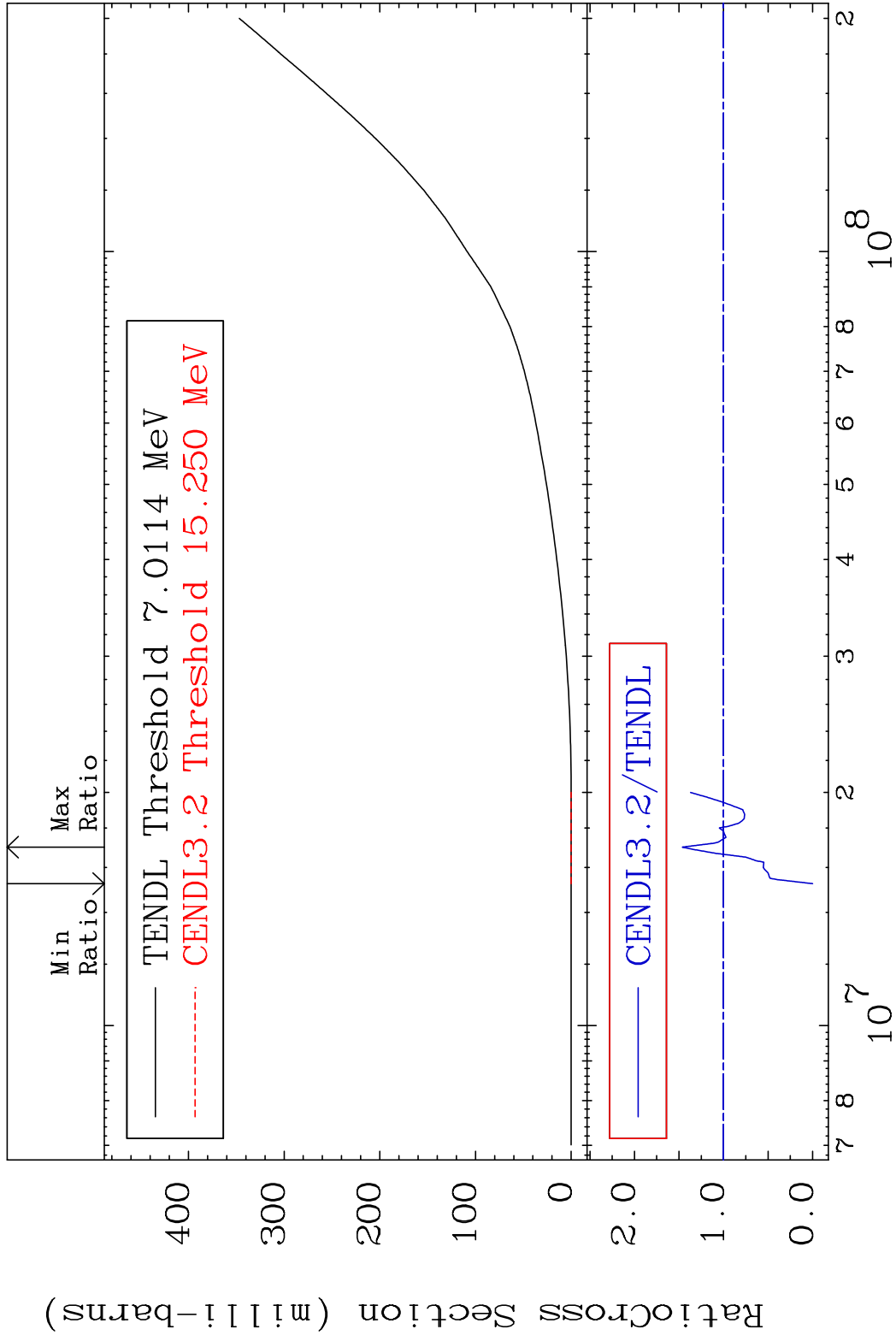
44-Ru-99

MAT 4434

He-3 Production

44-Ru-99

Cross Section -100.0 To 46.21 %



28

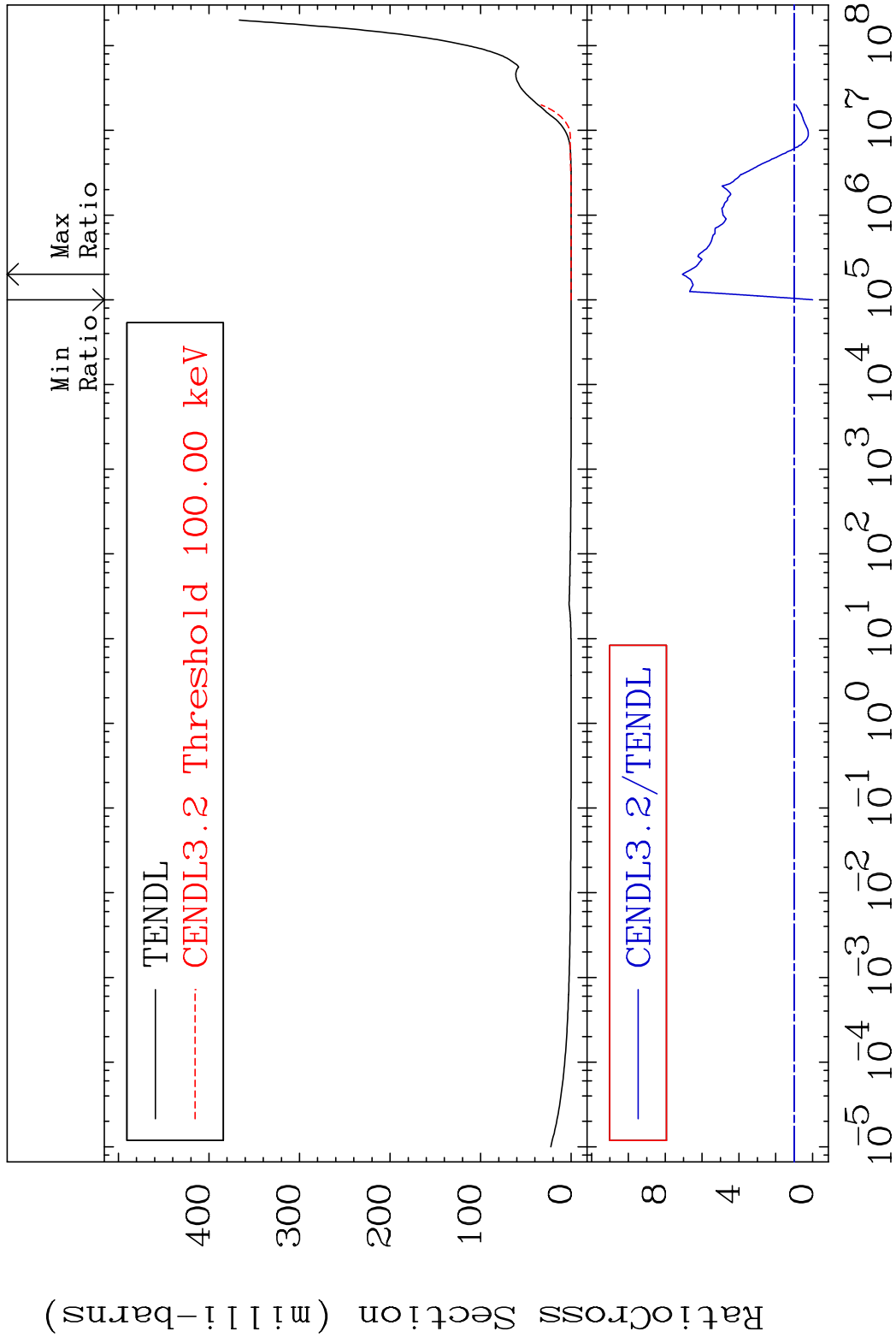
44-Ru-99

MAT 4434

He-4 Production

44-Ru-99

Cross Section -100.0 To 607.0 %

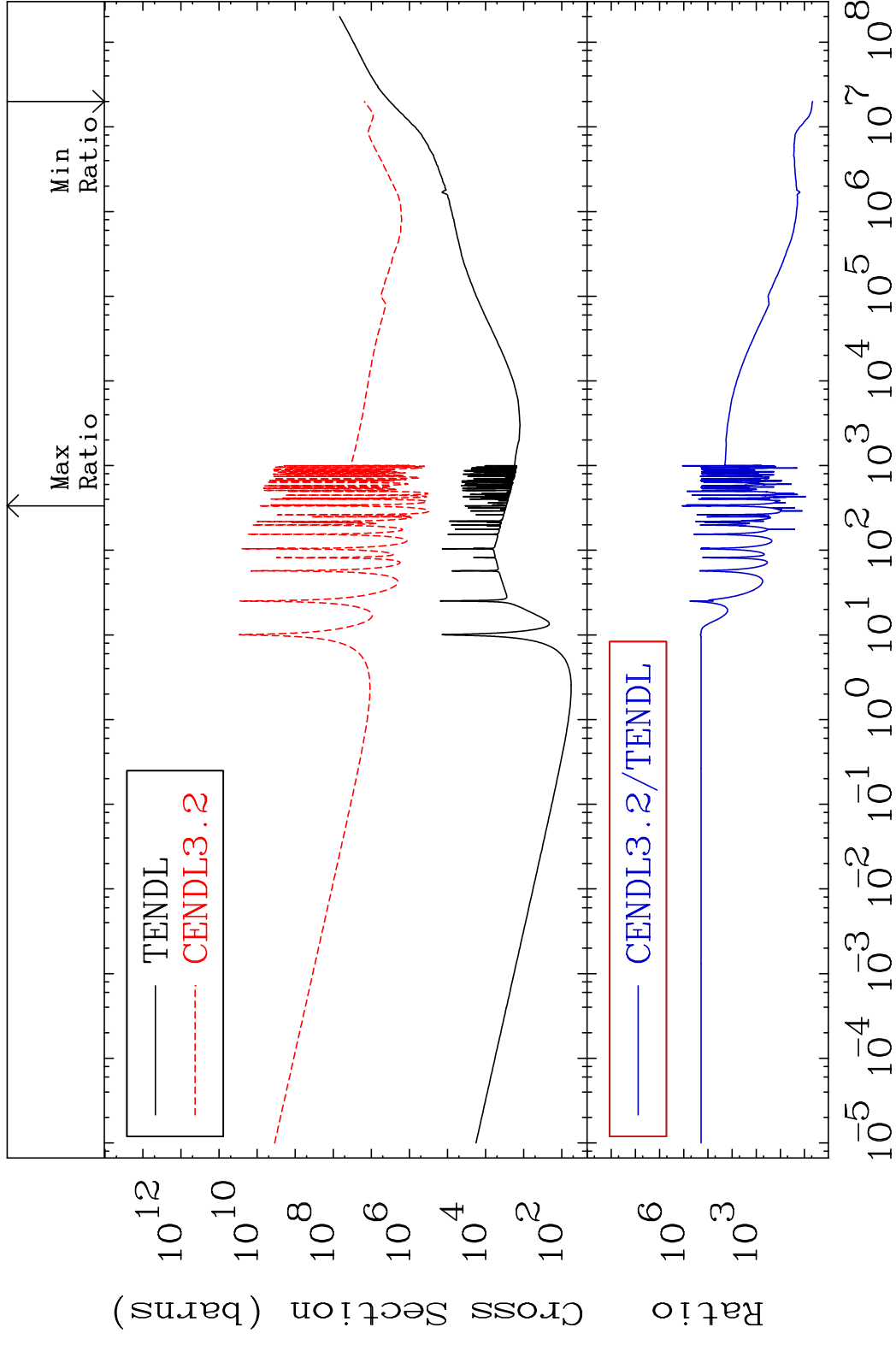


29

Incident Energy (eV)

44-Ru-99

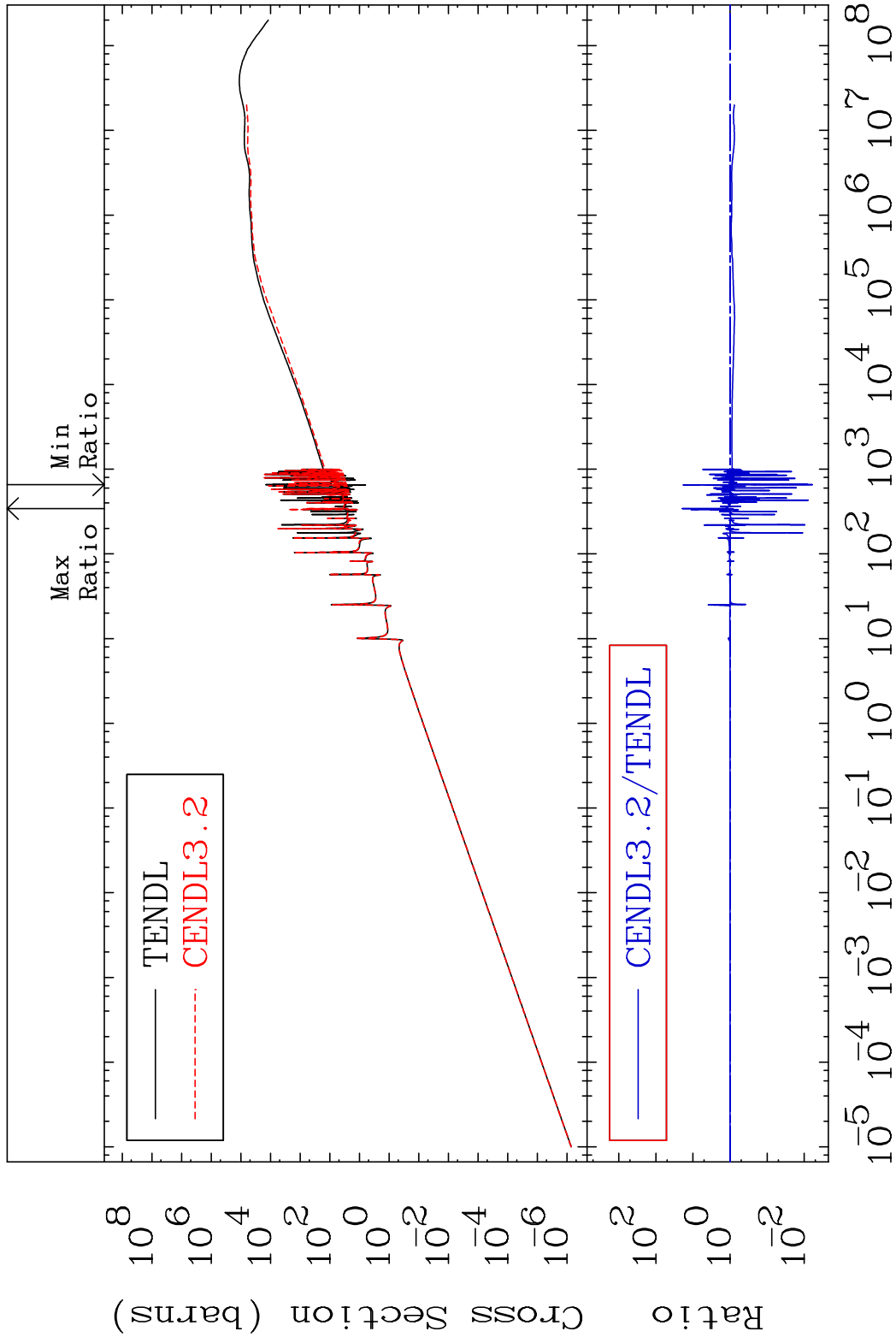
MAT 4434 Kerma total (eV-barns) 44-Ru-99
 Cross Section 363.1 To 9999. %



30 Incident Energy (eV) 44-Ru-99

MAT 4434

Kerma elastic Cross Section -99.40 To 1833. %
44-Ru-99

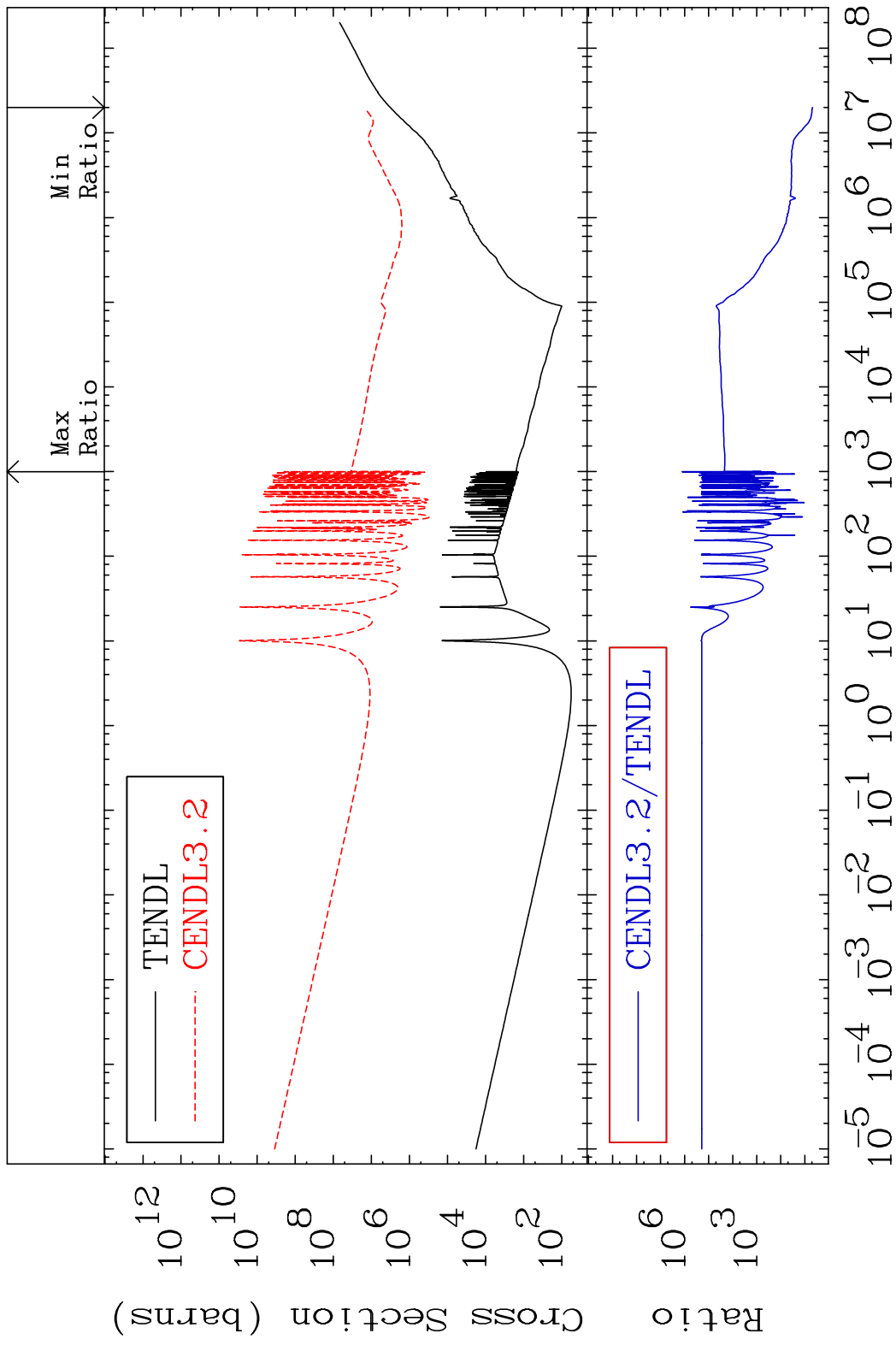


31

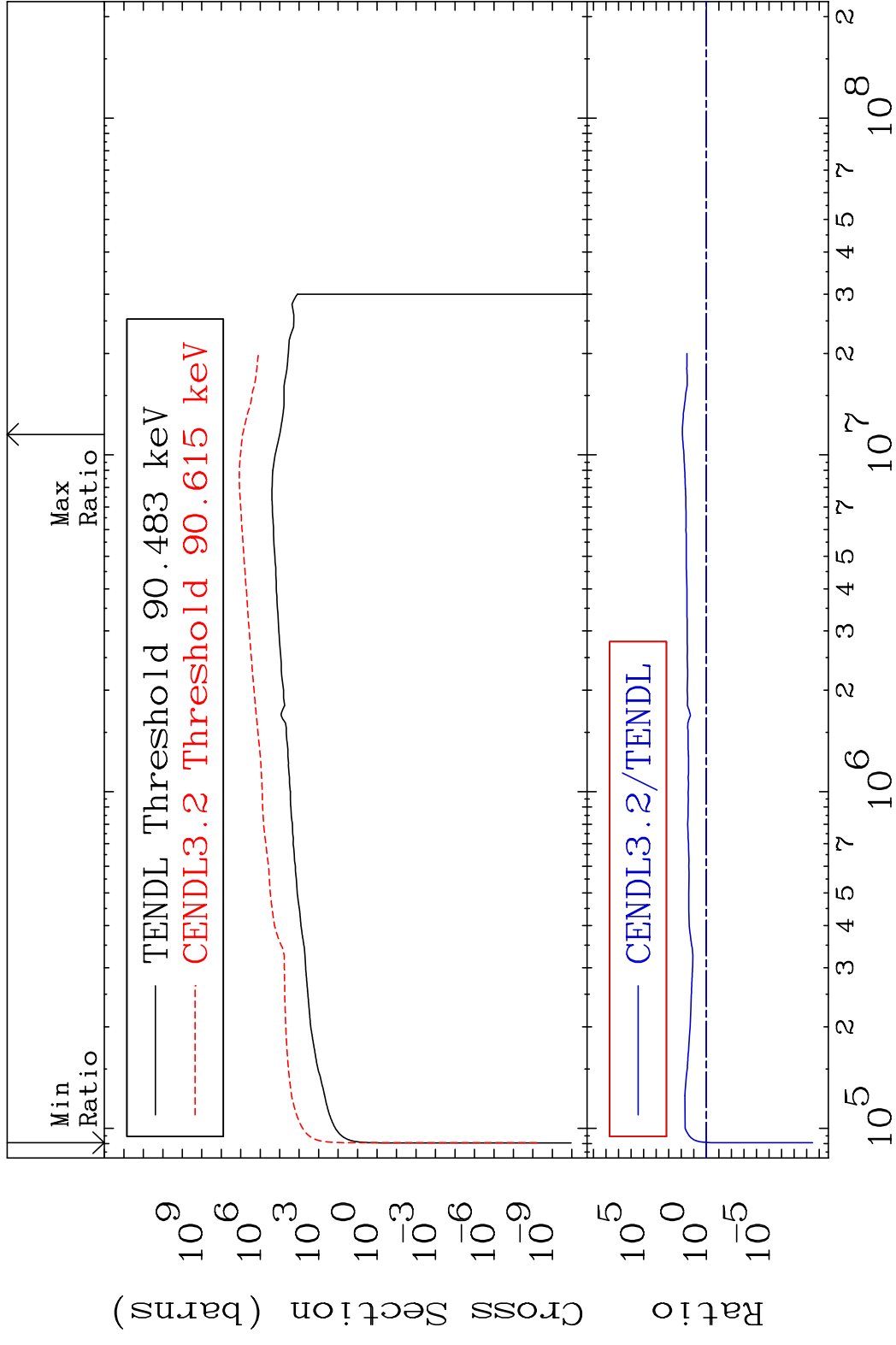
Incident Energy (eV)

44-Ru-99

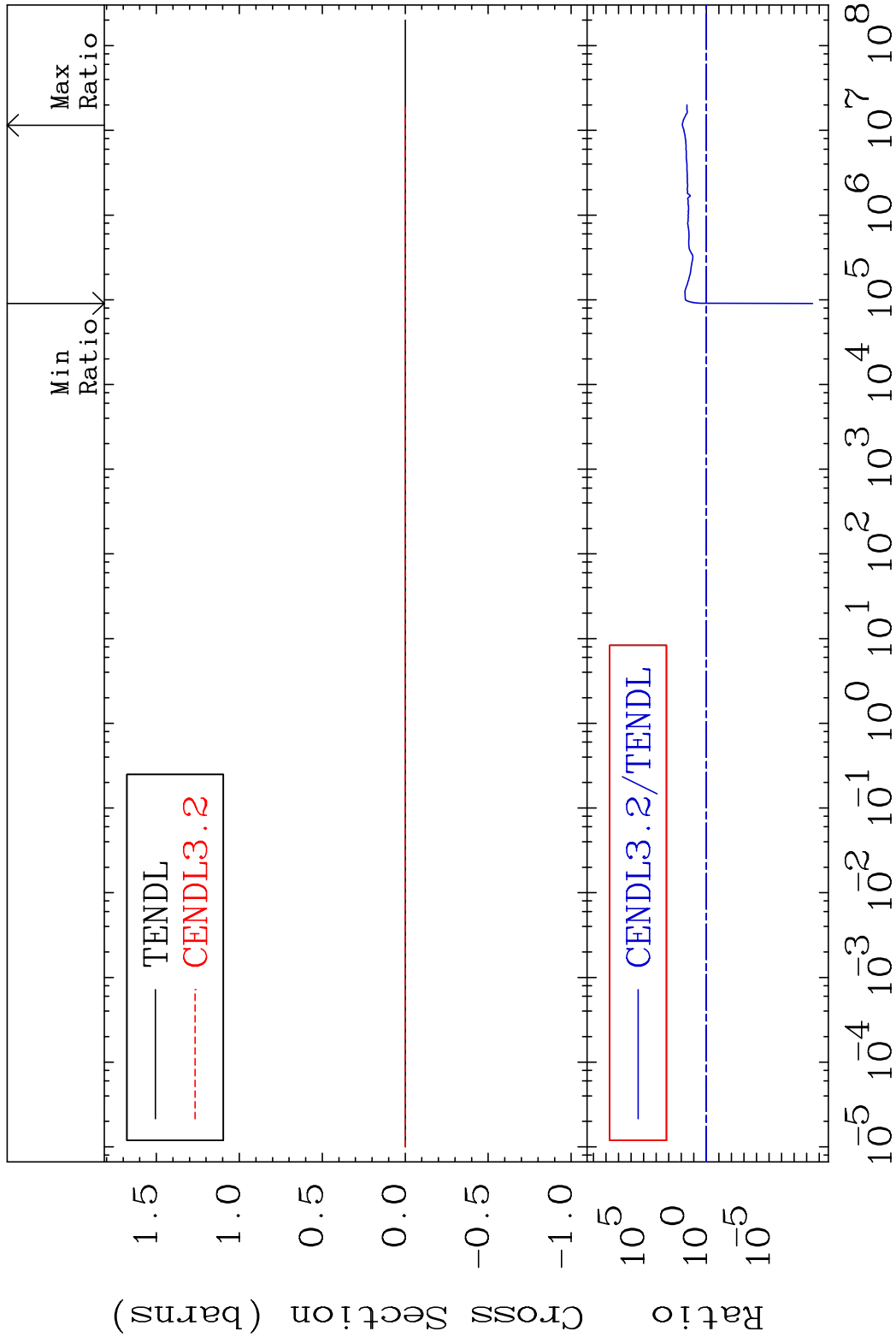
MAT 4434 Kerma non-elastic (all but mt2) 44-Ru-99
 Cross Section 373.5 To 9999. %



MAT 4434 Kerma inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 7953. %

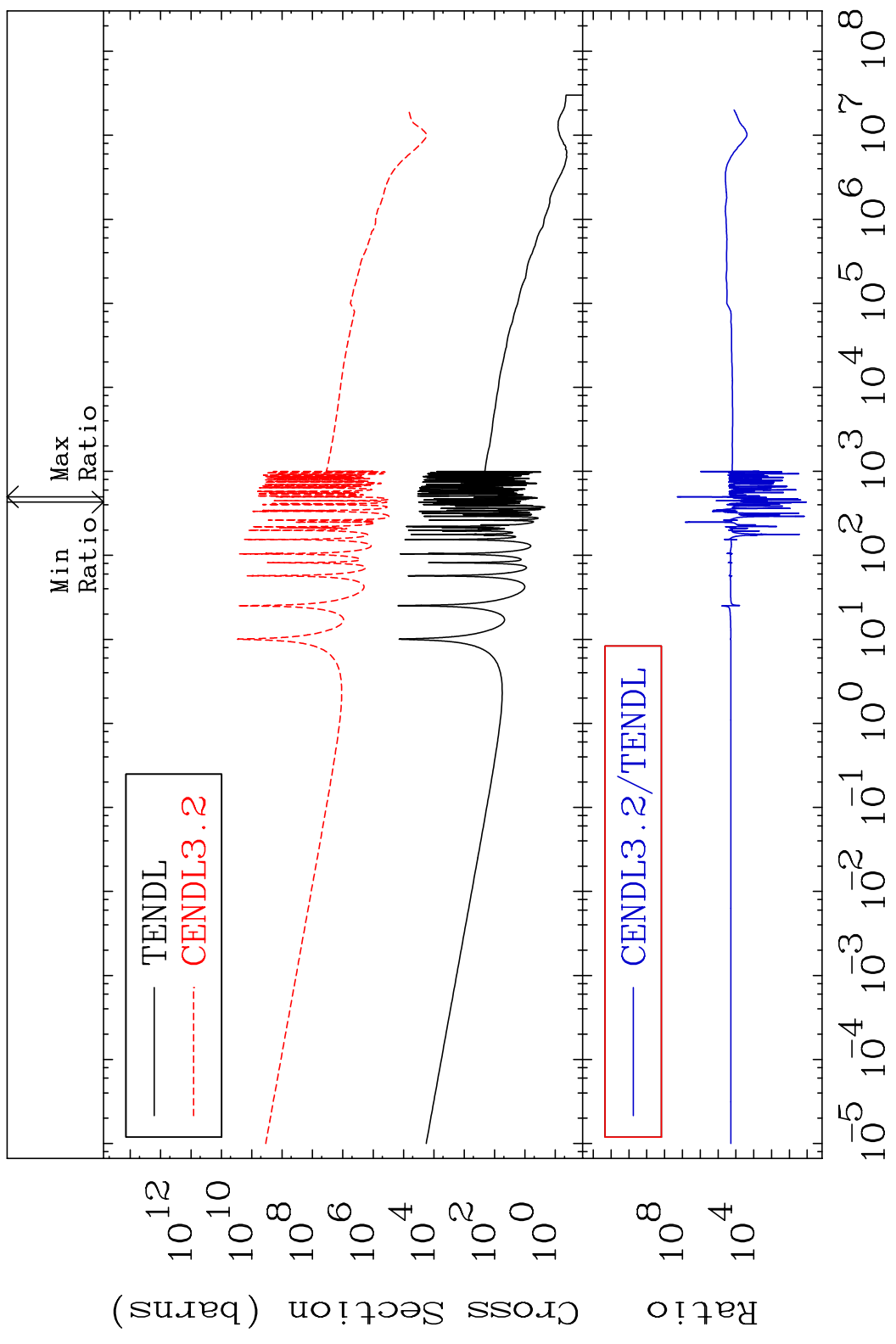


MAT 4434 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-99
 Cross Section -100.0 To 7953. %

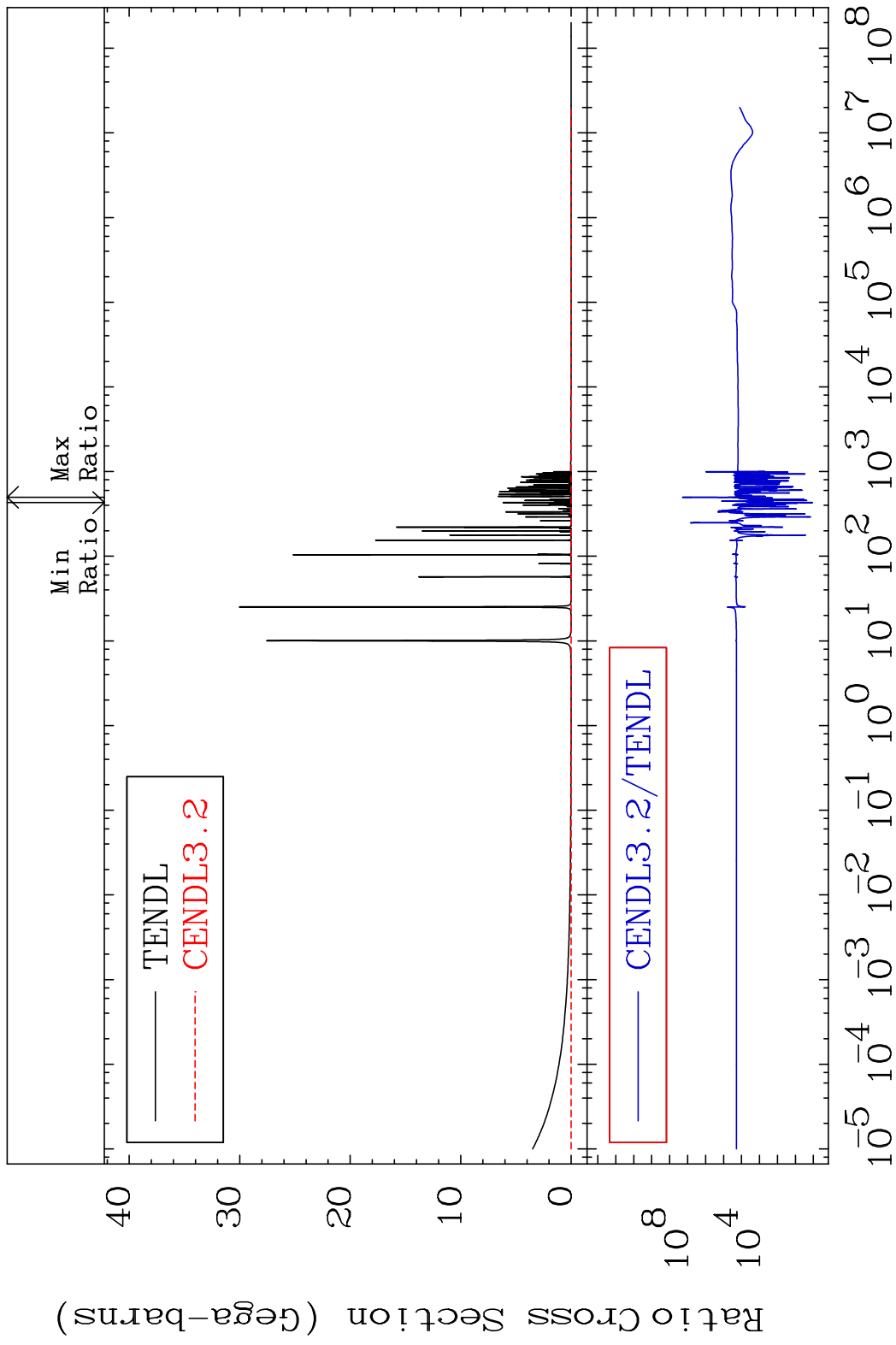


MAT 4434

Kerma capture (mt102) 44-Ru-99
Cross Section 1014. To 9999. %

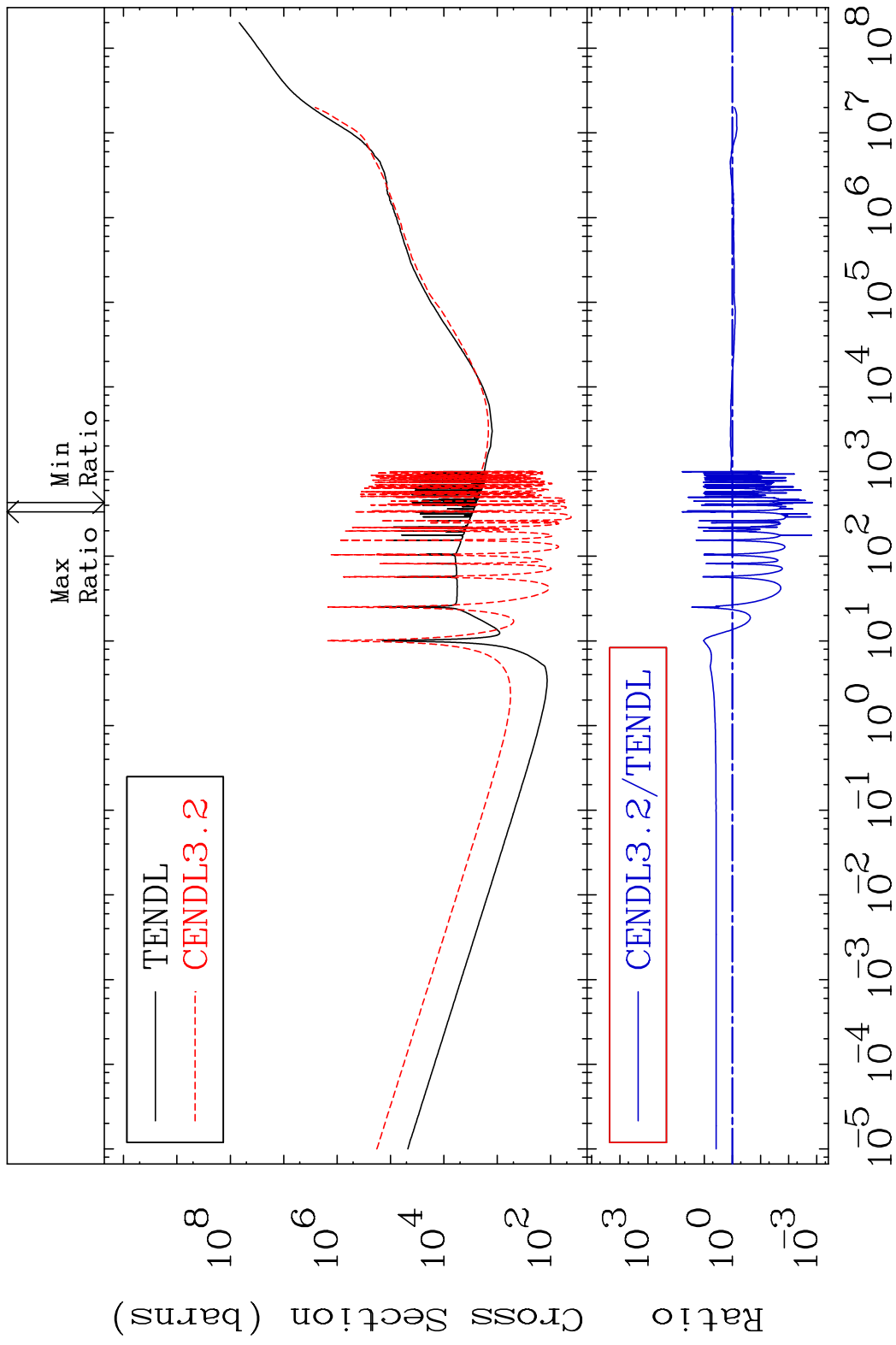


MAT 4434 Total photon (eV-barns) 44-Ru-99
 Cross Section 1014. To 9999. %

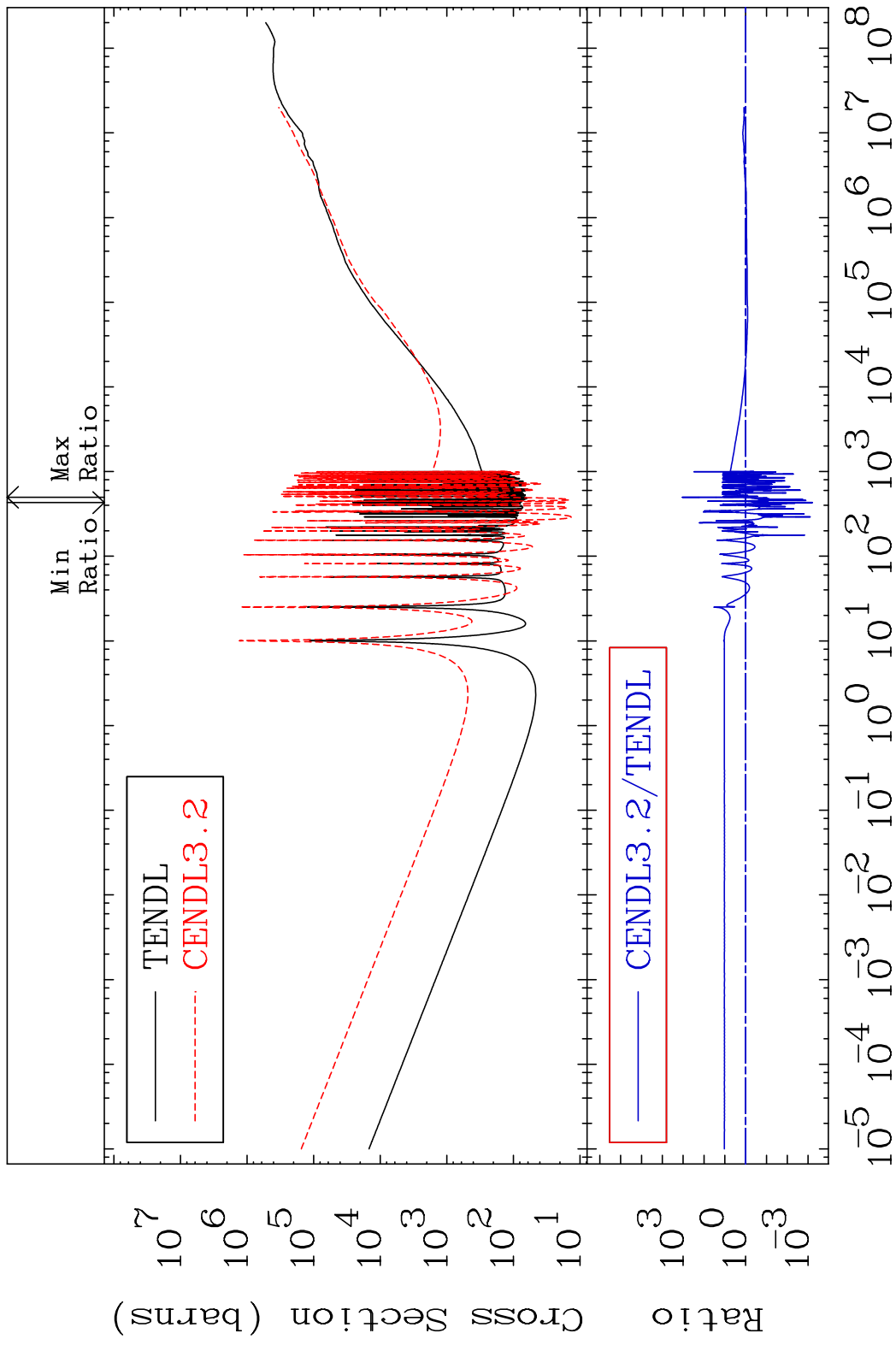


36 Incident Energy (eV) 44-Ru-99

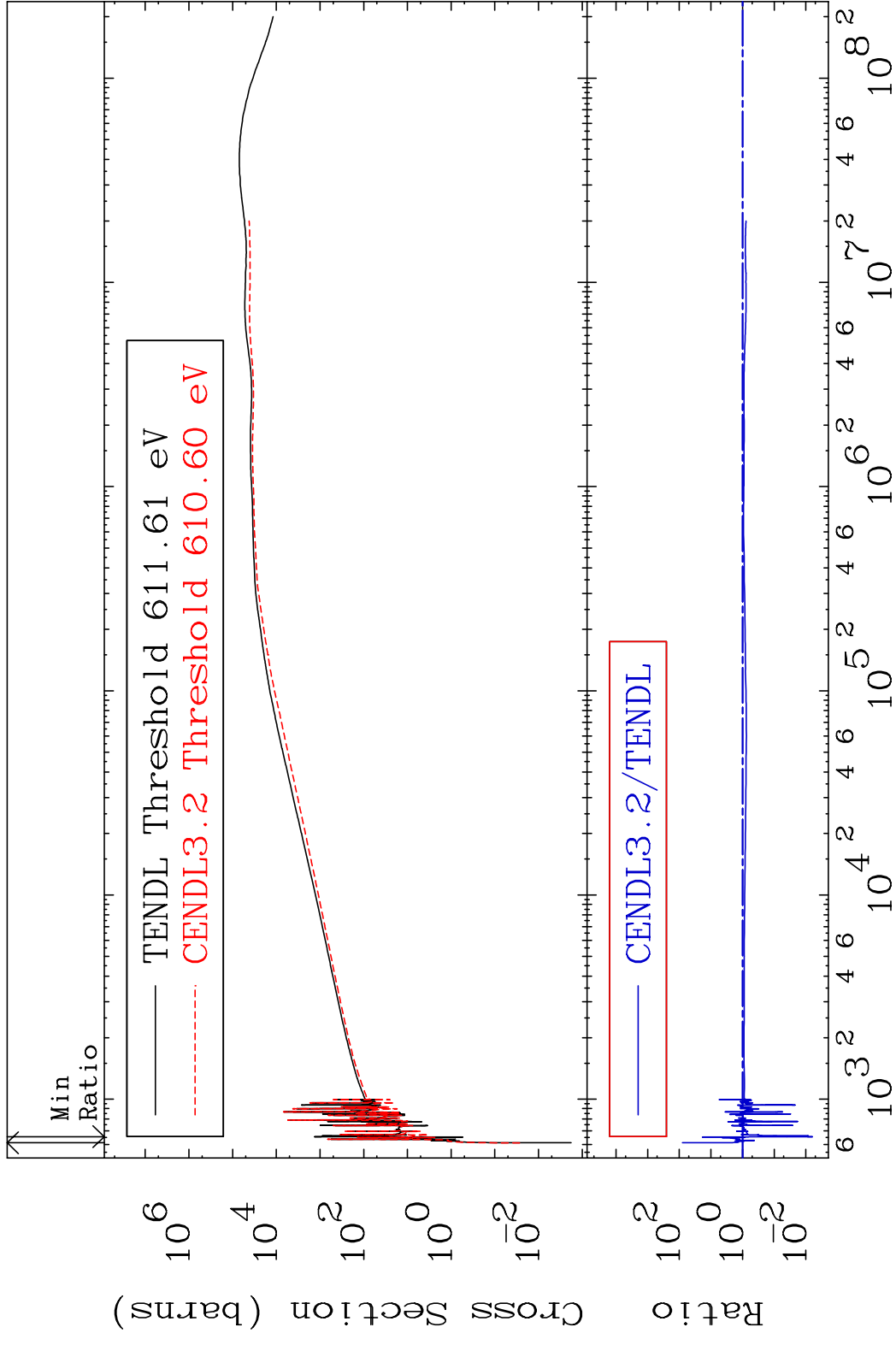
MAT 4434 Total kinematic kerma (high limit) 44-Ru-99
 Cross Section -99.86 To 5899. %



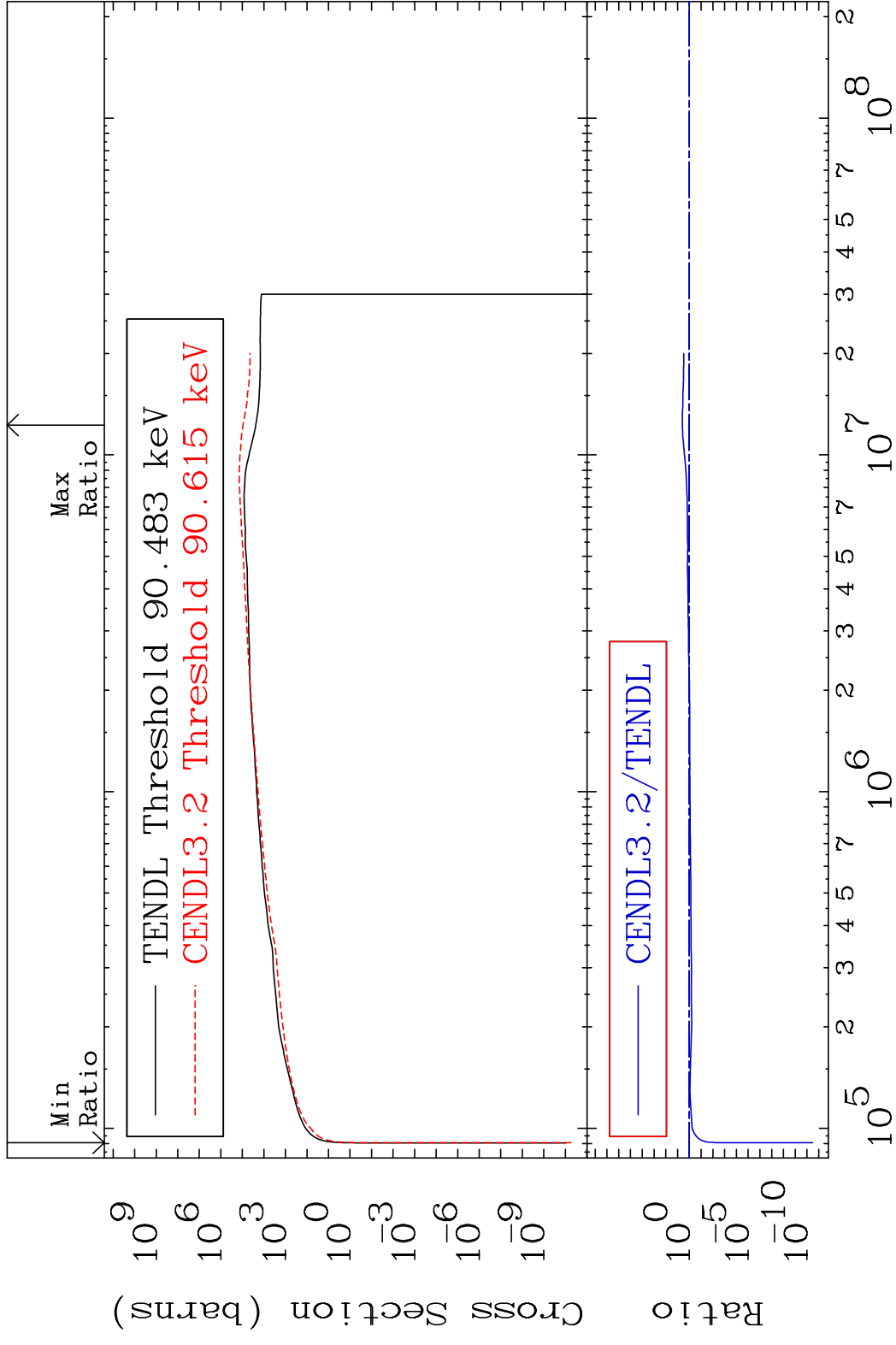
MAT 4434 Dpa total (eV-barns) 44-Ru-99
 Cross Section -99.94 To 9999. %



MAT 4434 Dpa elastic (mt2) 44-Ru-99
 Cross Section -99.39 To 7901. %

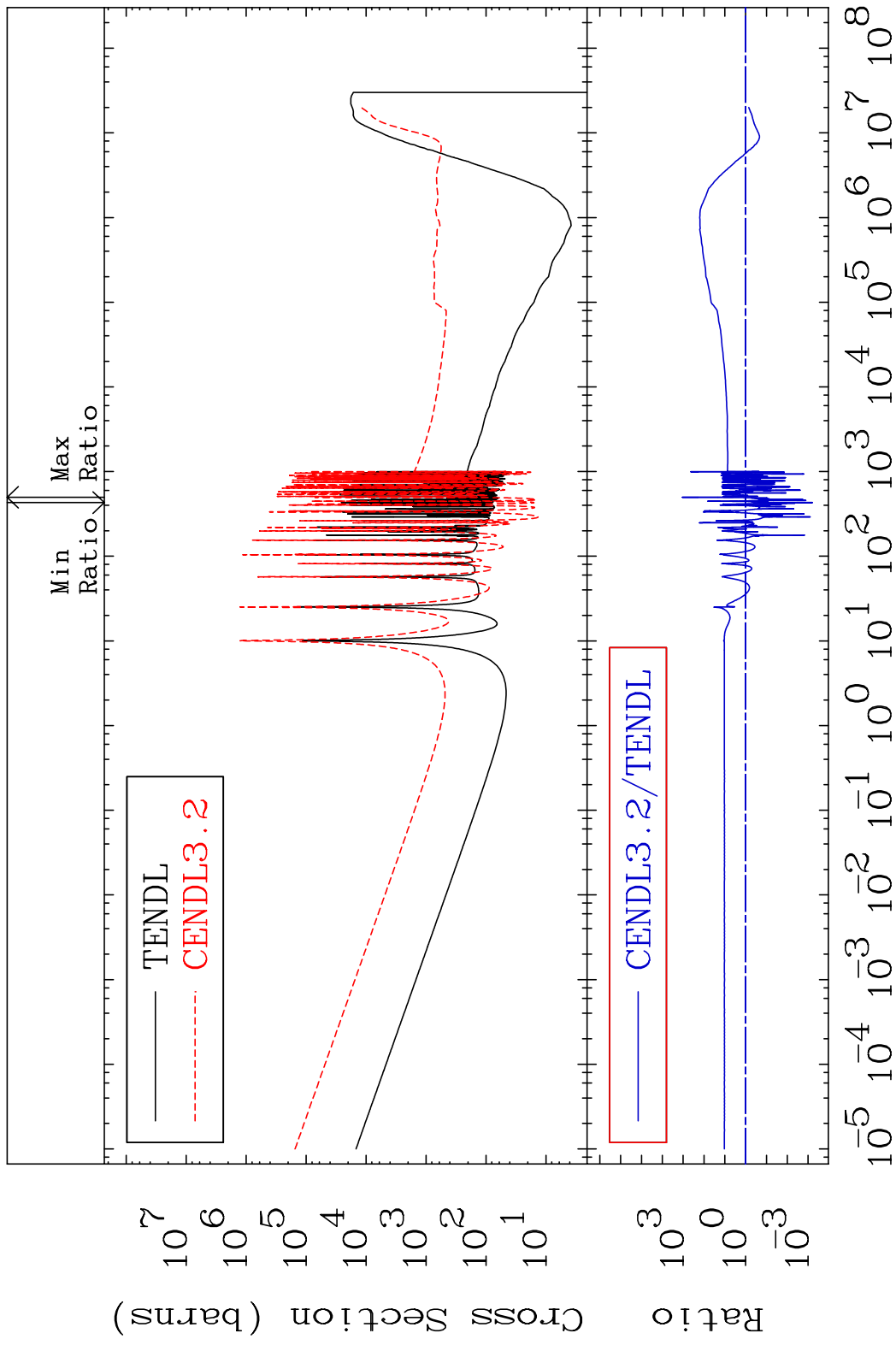


MAT 4434 Dpa inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 292.2 %

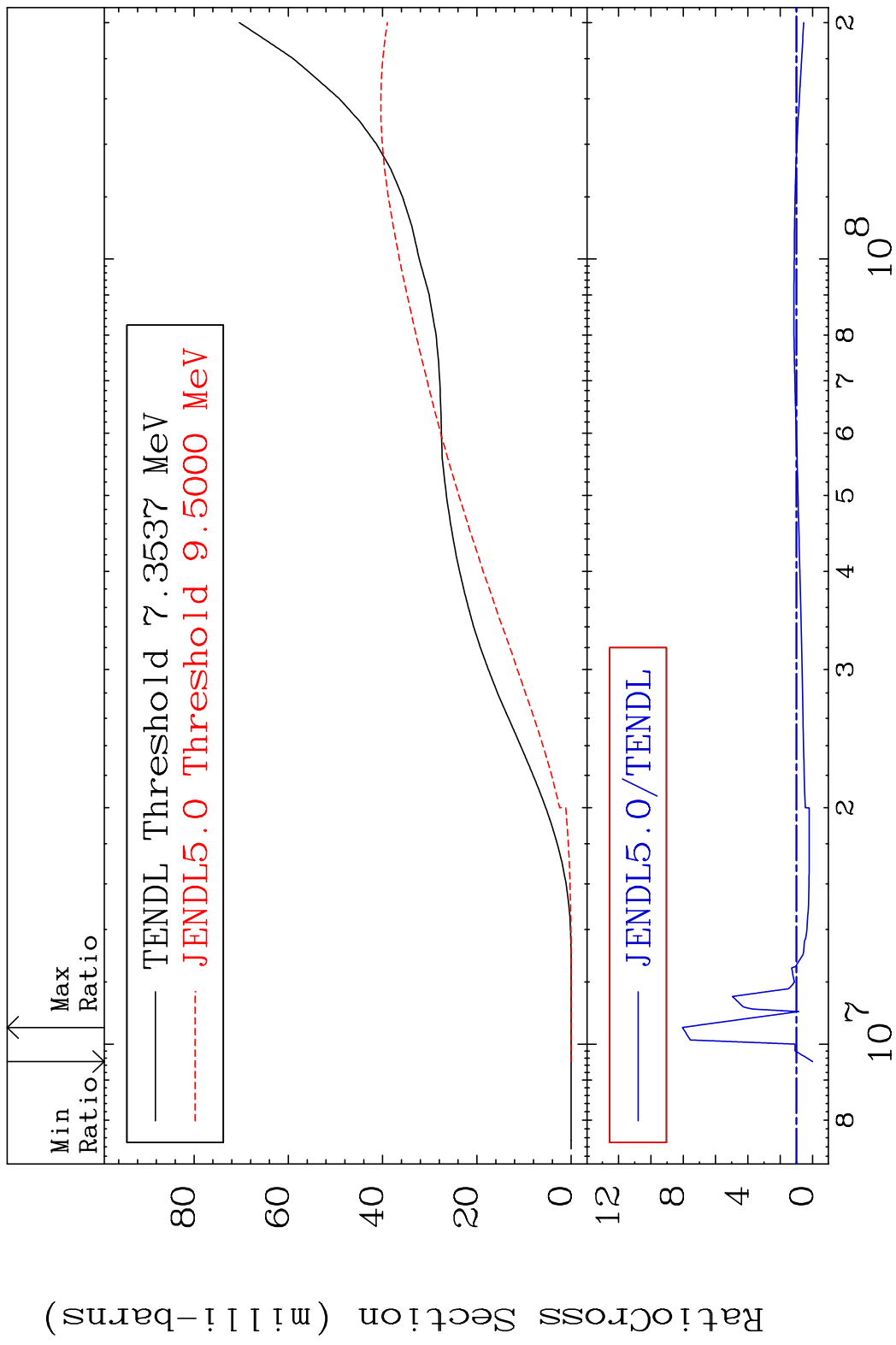


40 Incident Energy (eV) 44-Ru-99

MAT 4434 Dpa disappearance (mt102 -120) 44-Ru-99
 Cross Section -99.94 To 9999. %



MAT 4434 Tritium Production 44-Ru-99
 Cross Section -100.0 To 705.5 %



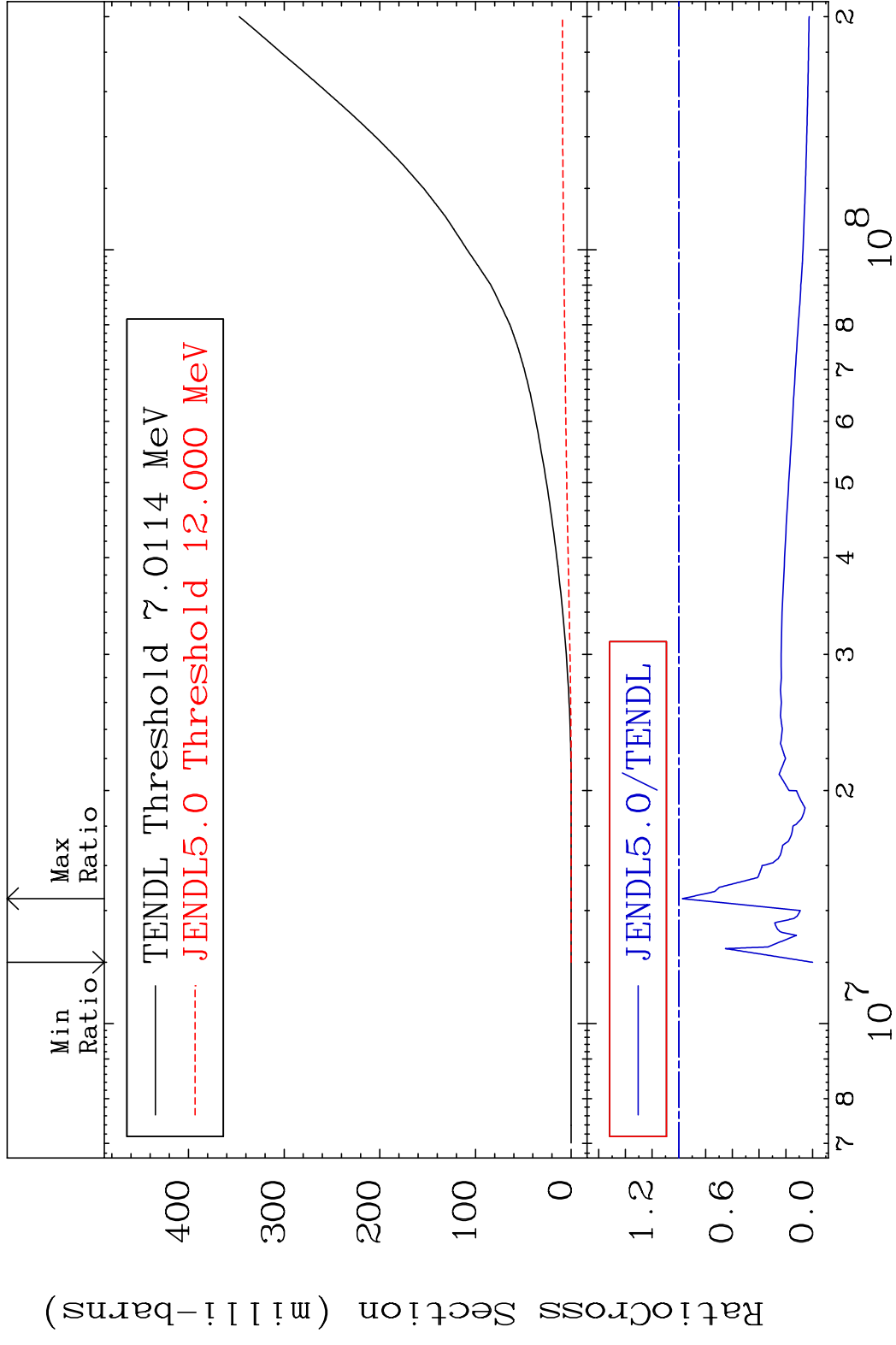
42 44-Ru-99

MAT 4434

He-3 Production

44-Ru-99

Cross Section -100.0 To -2.584%



43

Incident Energy (eV)

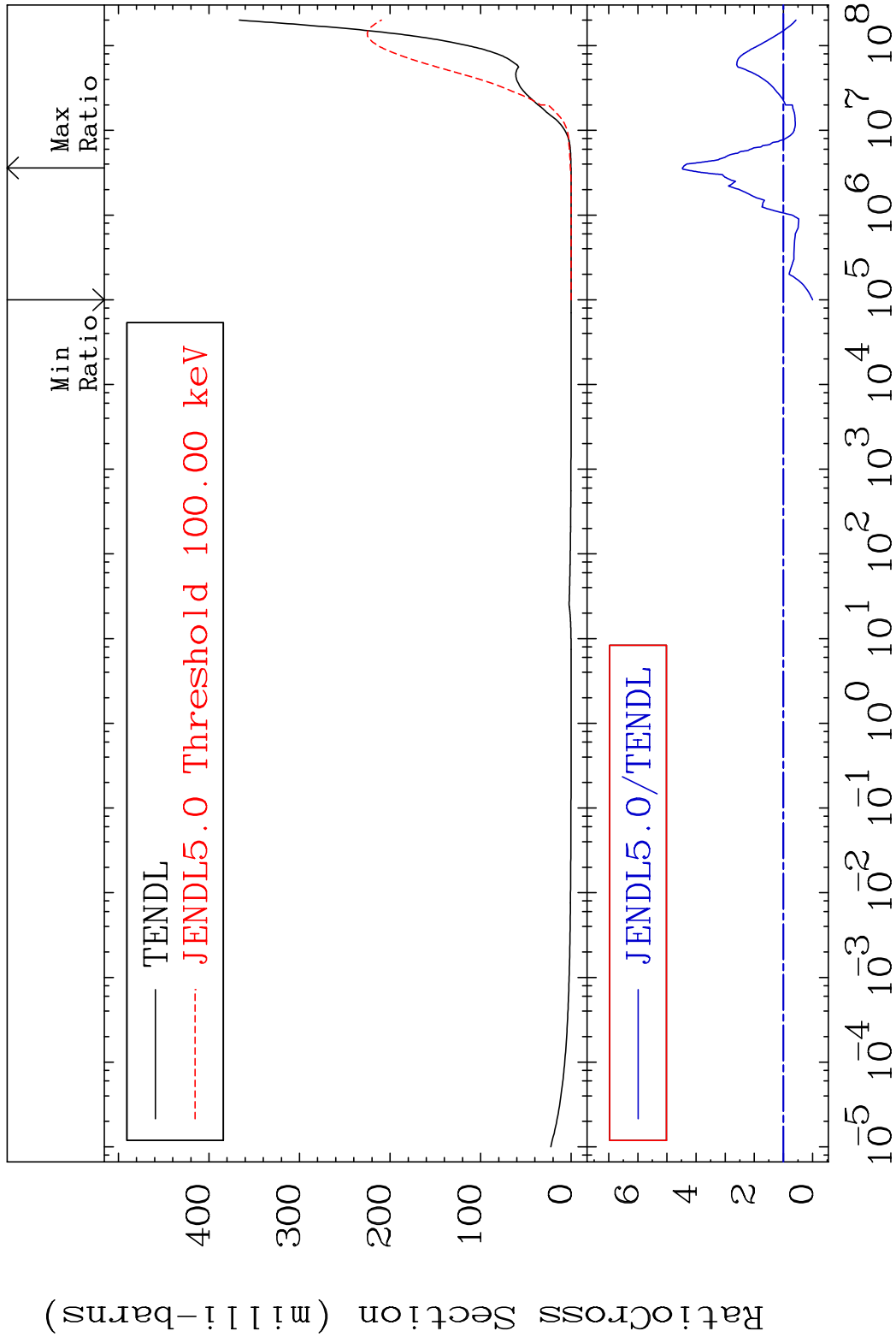
44-Ru-99

MAT 4434

He-4 Production

44-Ru-99

Cross Section -100.0 To 347.1 %

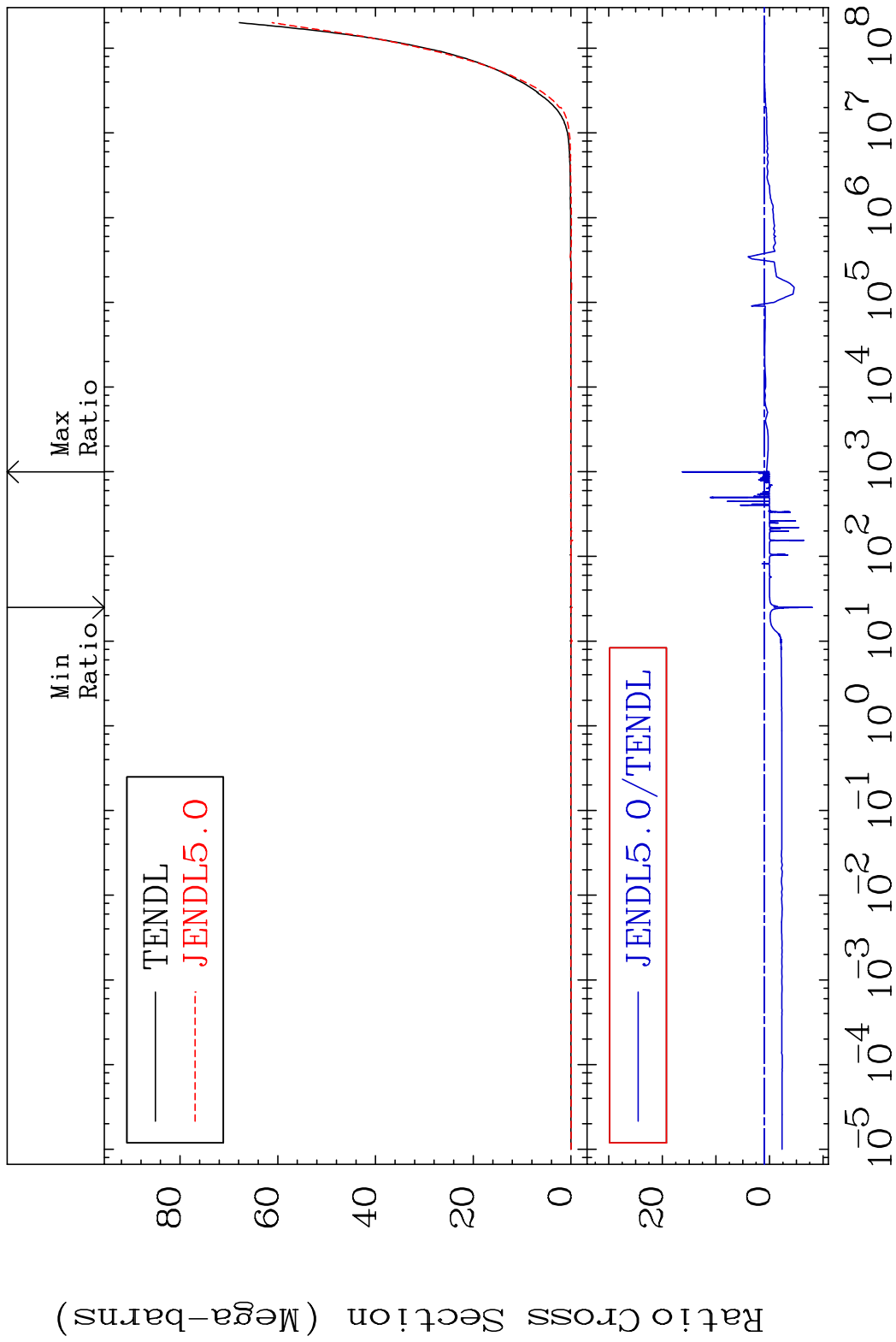


44

Incident Energy (eV)

44-Ru-99

MAT 4434 Kerma total (eV-barns) 44-Ru-99
Cross Section -902.9 To 1527. %

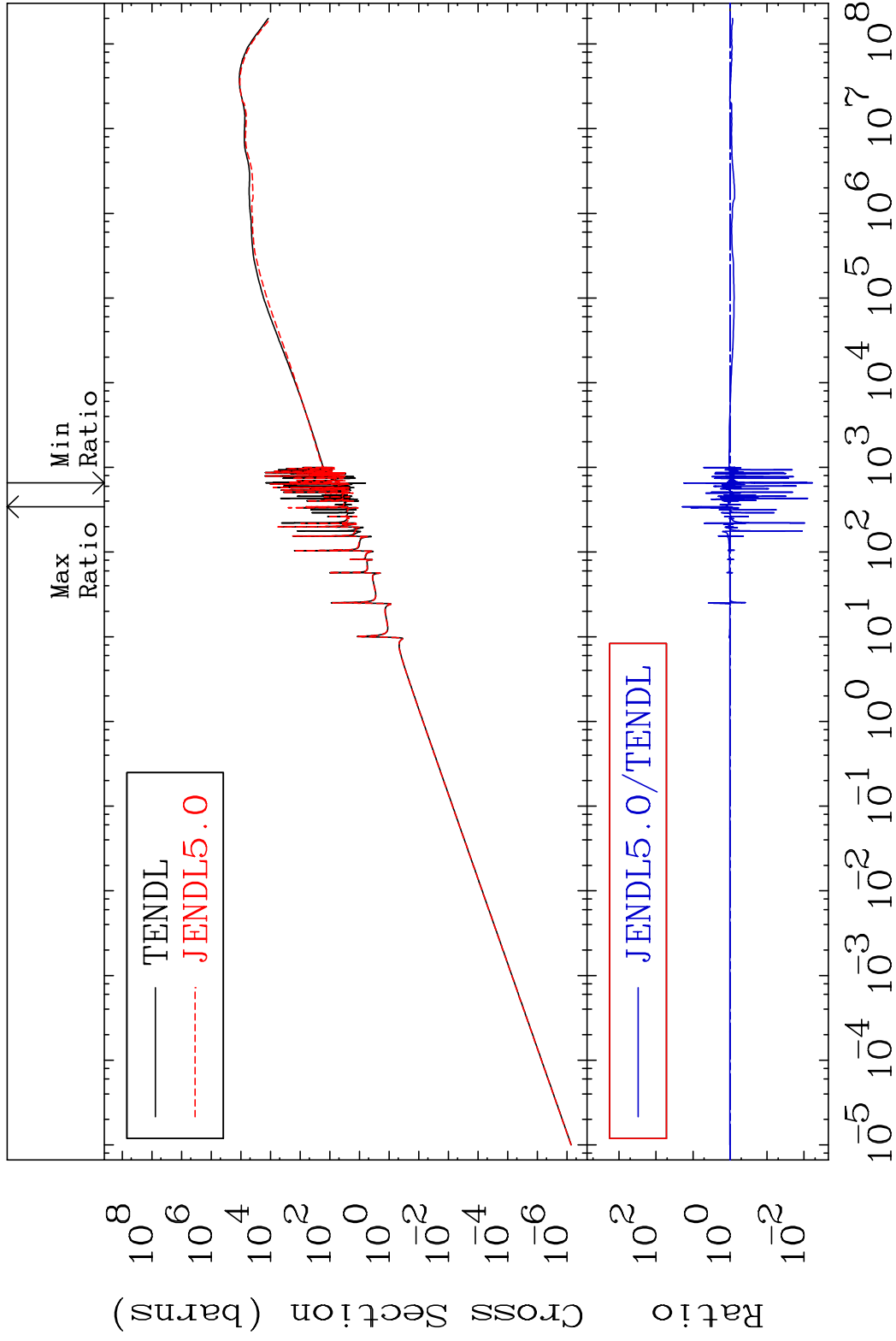


MAT 4434

Kerma elastic

44-Ru-99

Cross Section -99.41 To 1839. %

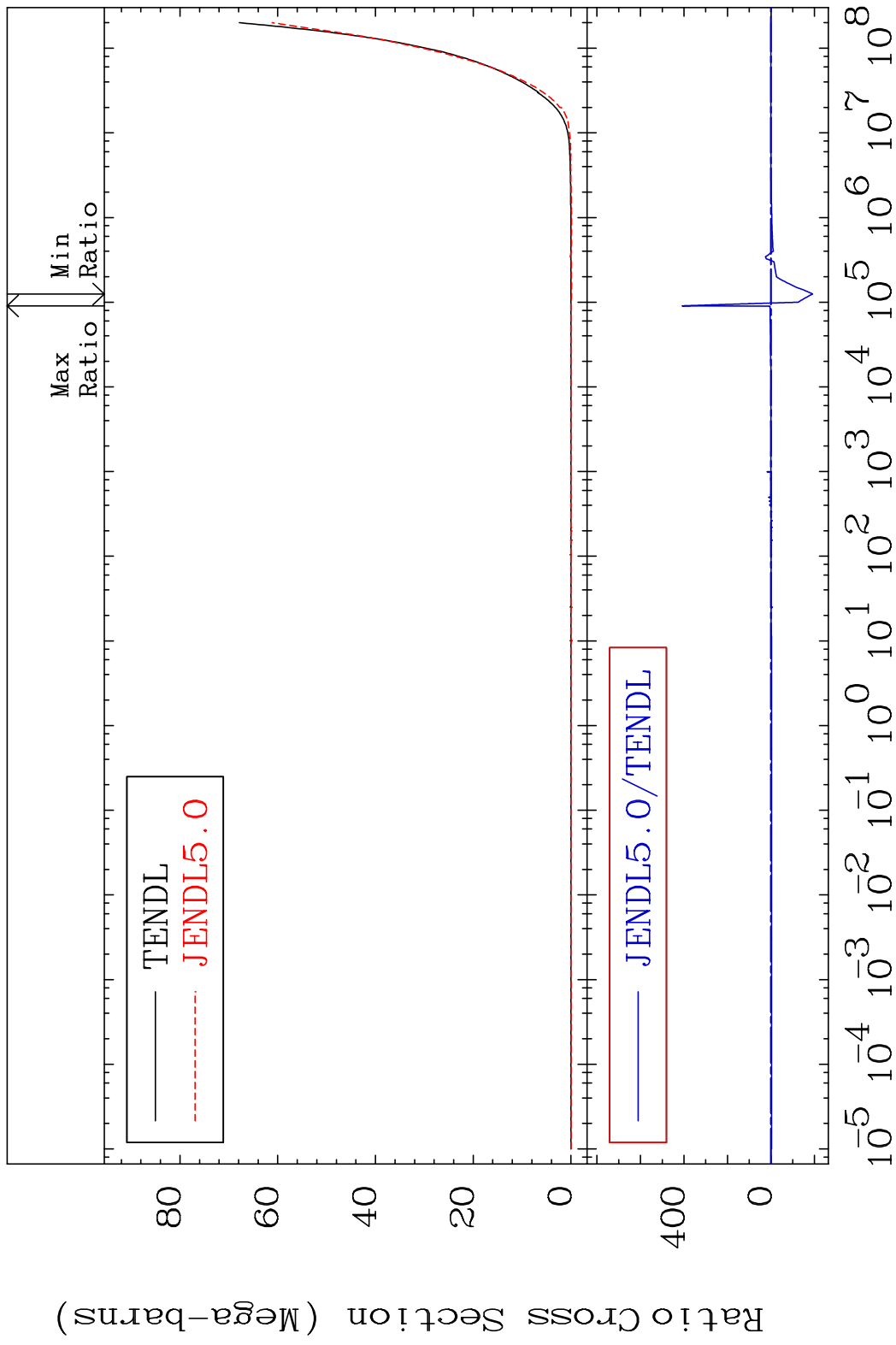


46

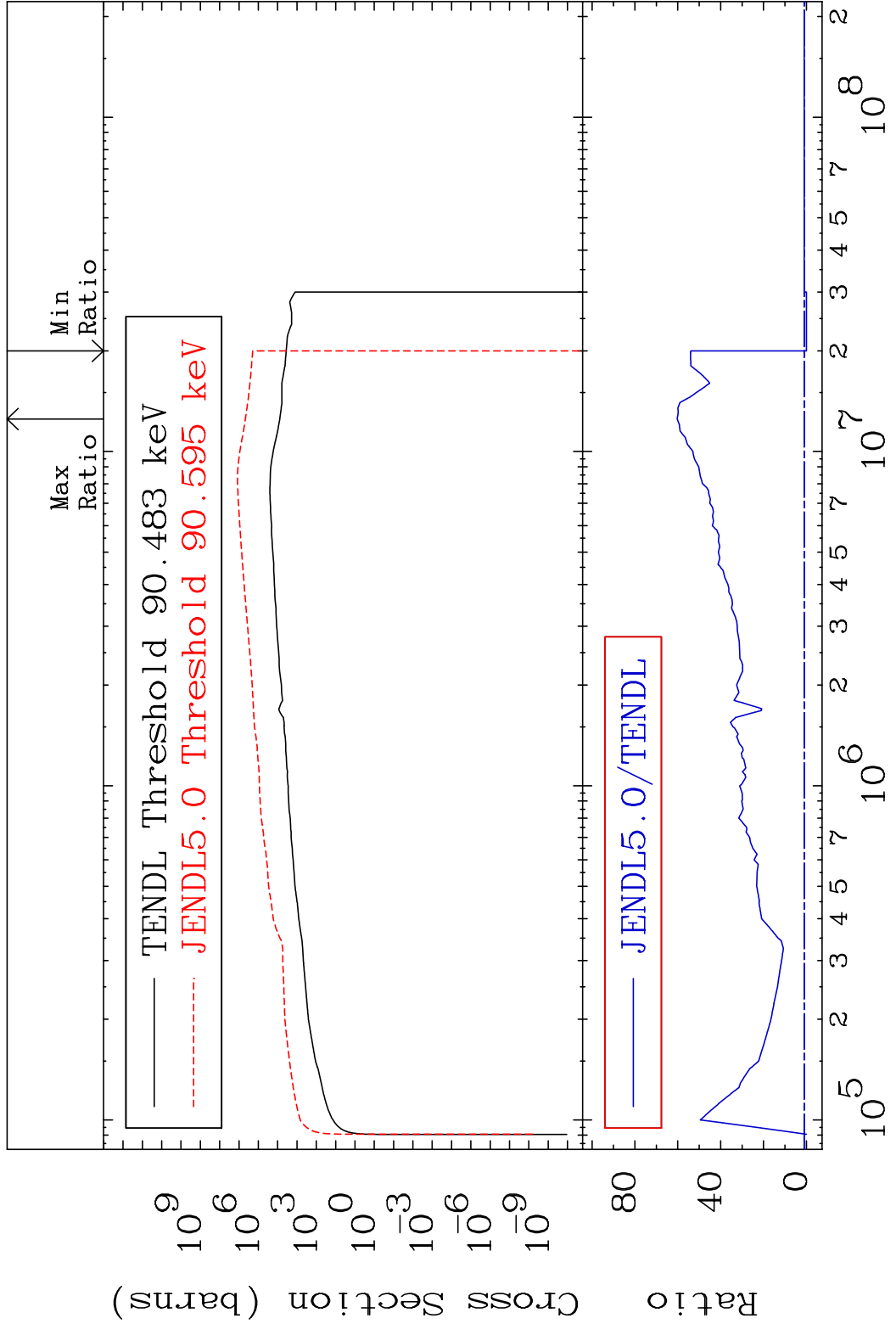
Incident Energy (eV)

44-Ru-99

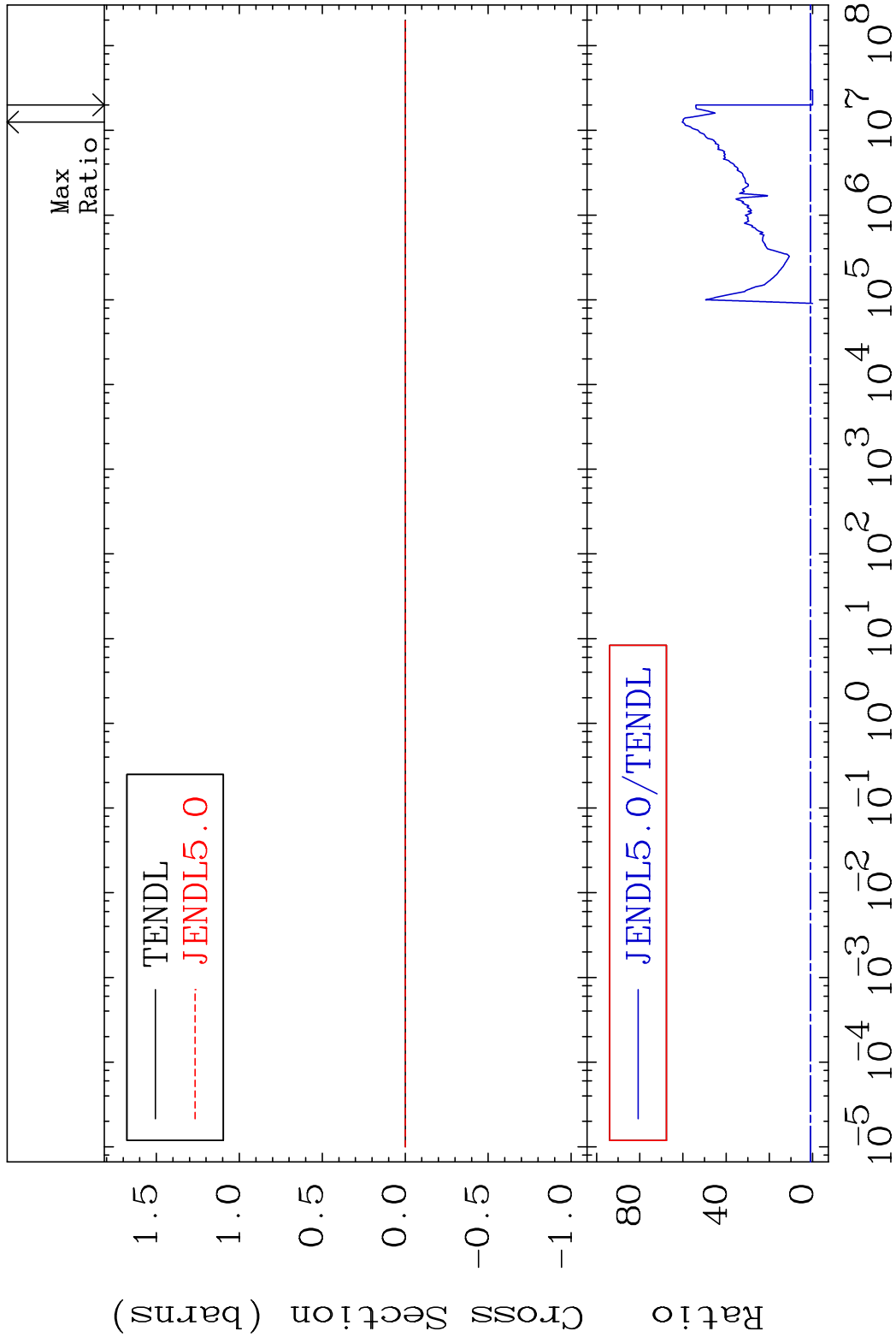
MAT 4434 Kerma non-elastic (all but mt2) 44-Ru-99
Cross Section -9999. To 9999. %



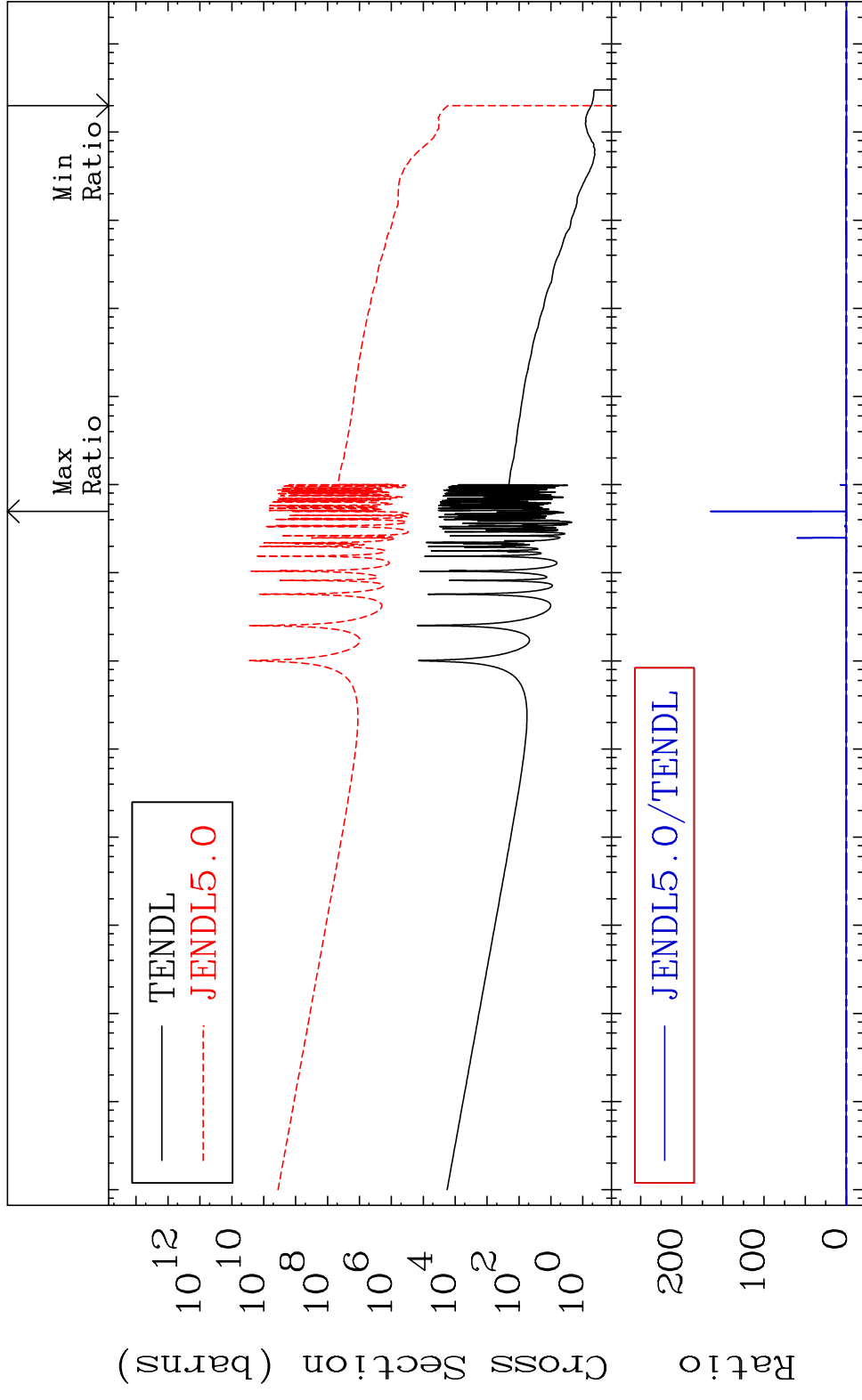
MAT 4434 Kerma inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 5927. %



MAT 4434 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-99
 Cross Section -100.0 To 5927. %

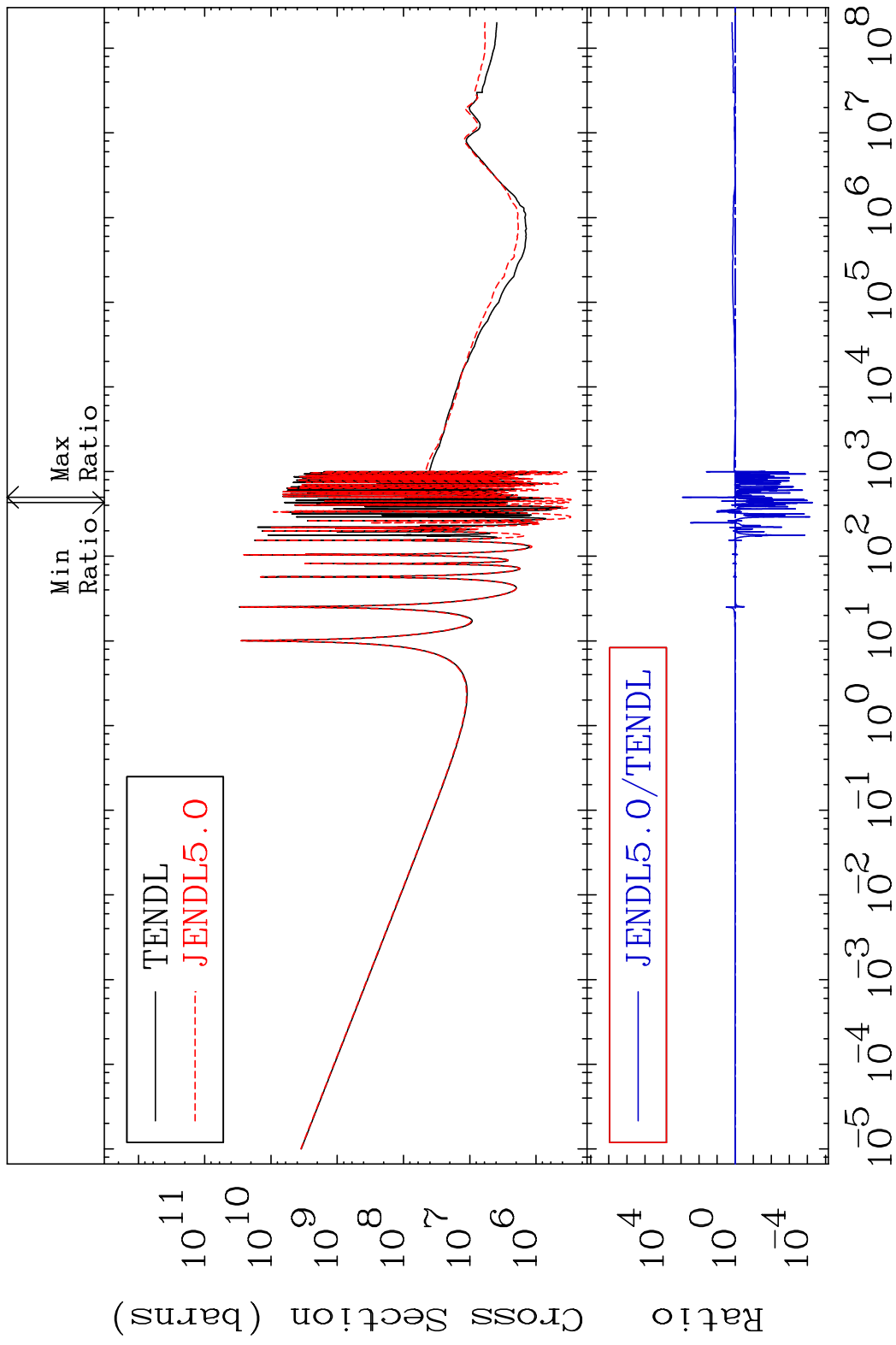


MAT 4434 Kerma capture (mt102) 44-Ru-99
 Cross Section -100.0 To 9999. %

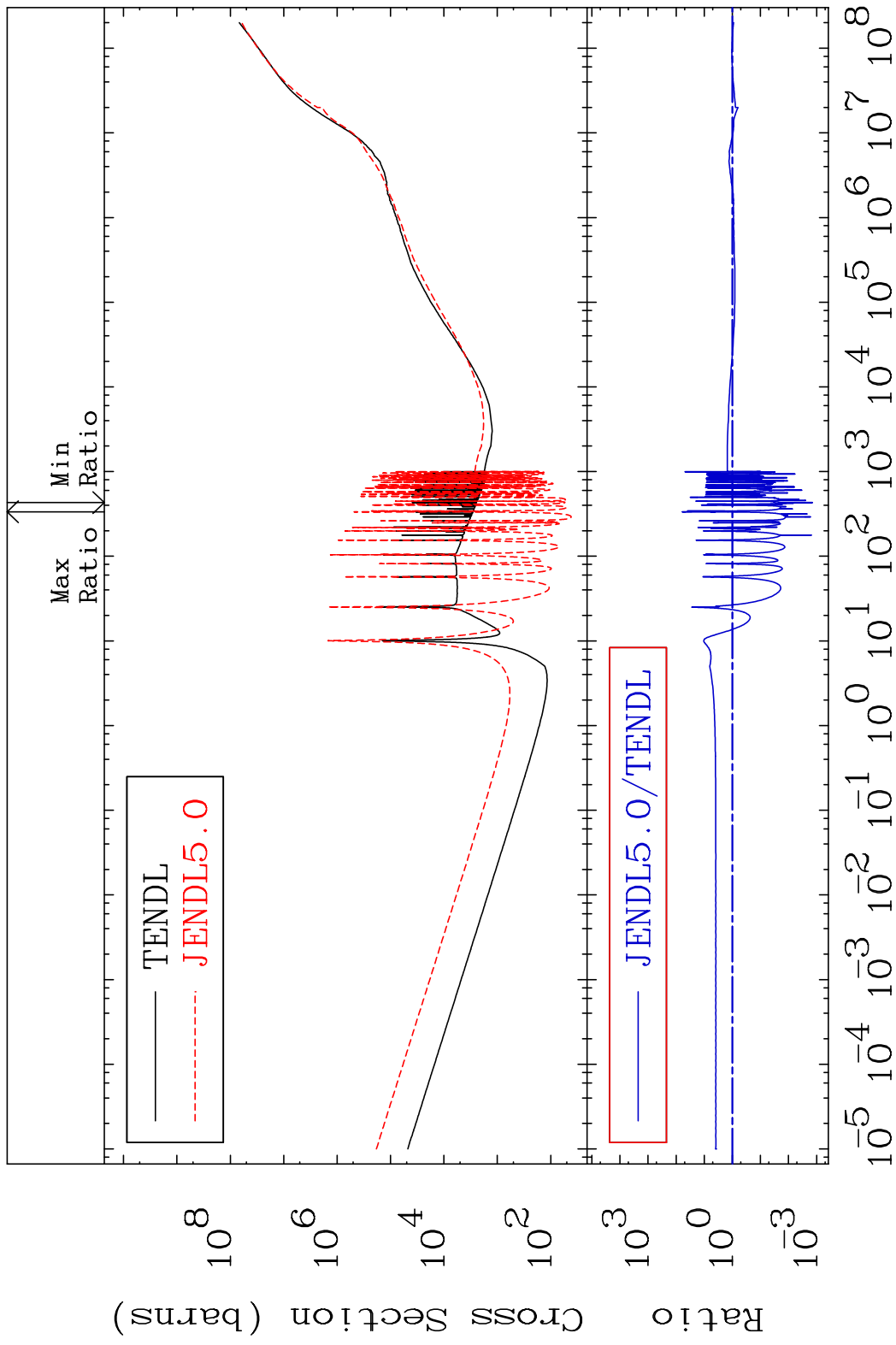


50 Incident Energy (eV) 44-Ru-99

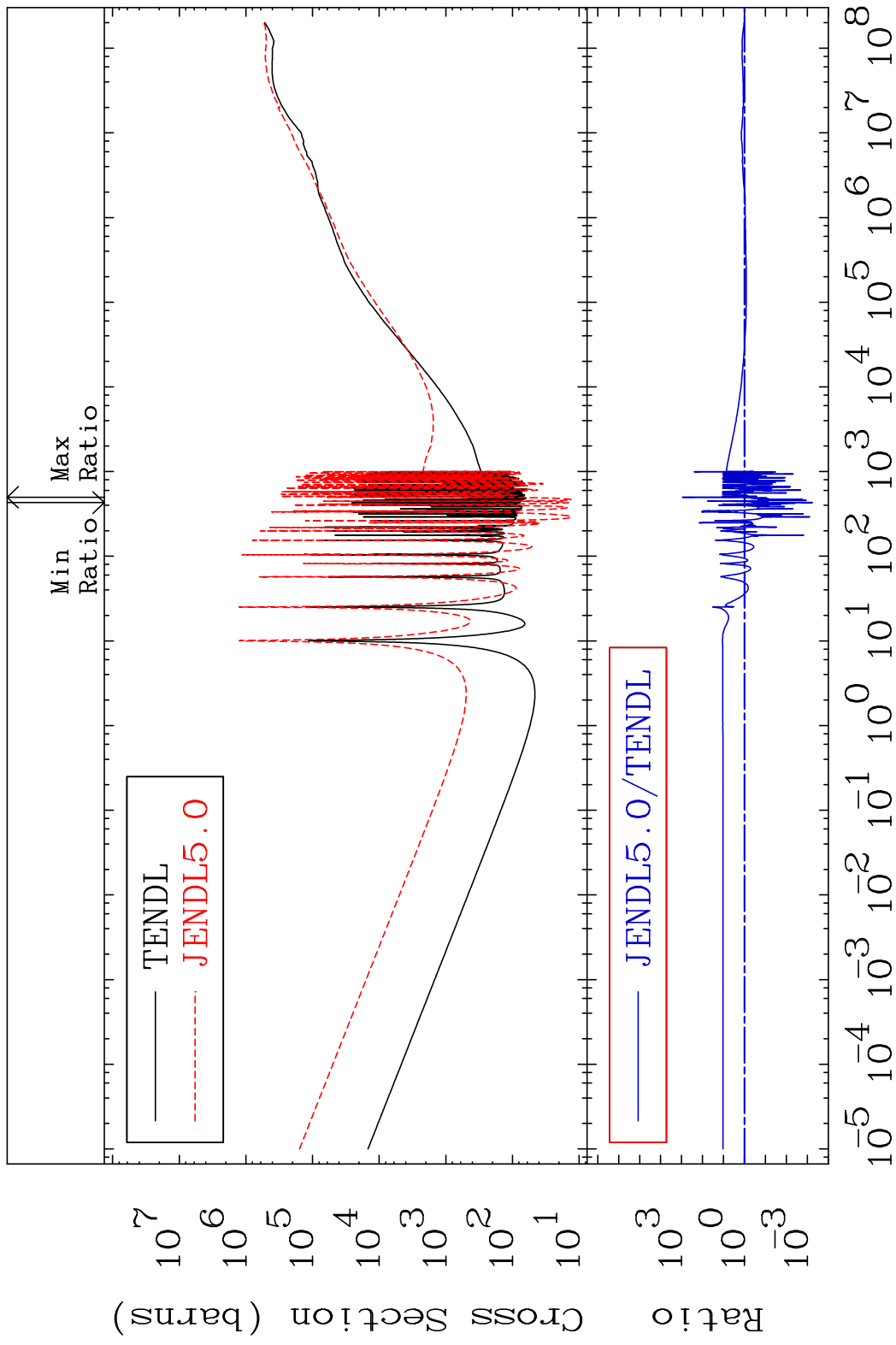
MAT 4434 Total photon (eV-barns) 44-Ru-99
 Cross Section -99.99 To 9999. %



MAT 4434 Total kinematic kerma (high limit) 44-Ru-99
 Cross Section -99.86 To 5900. %



MAT 4434 Dpa total (eV-barns) 44-Ru-99
 Cross Section -99.94 To 9999. %

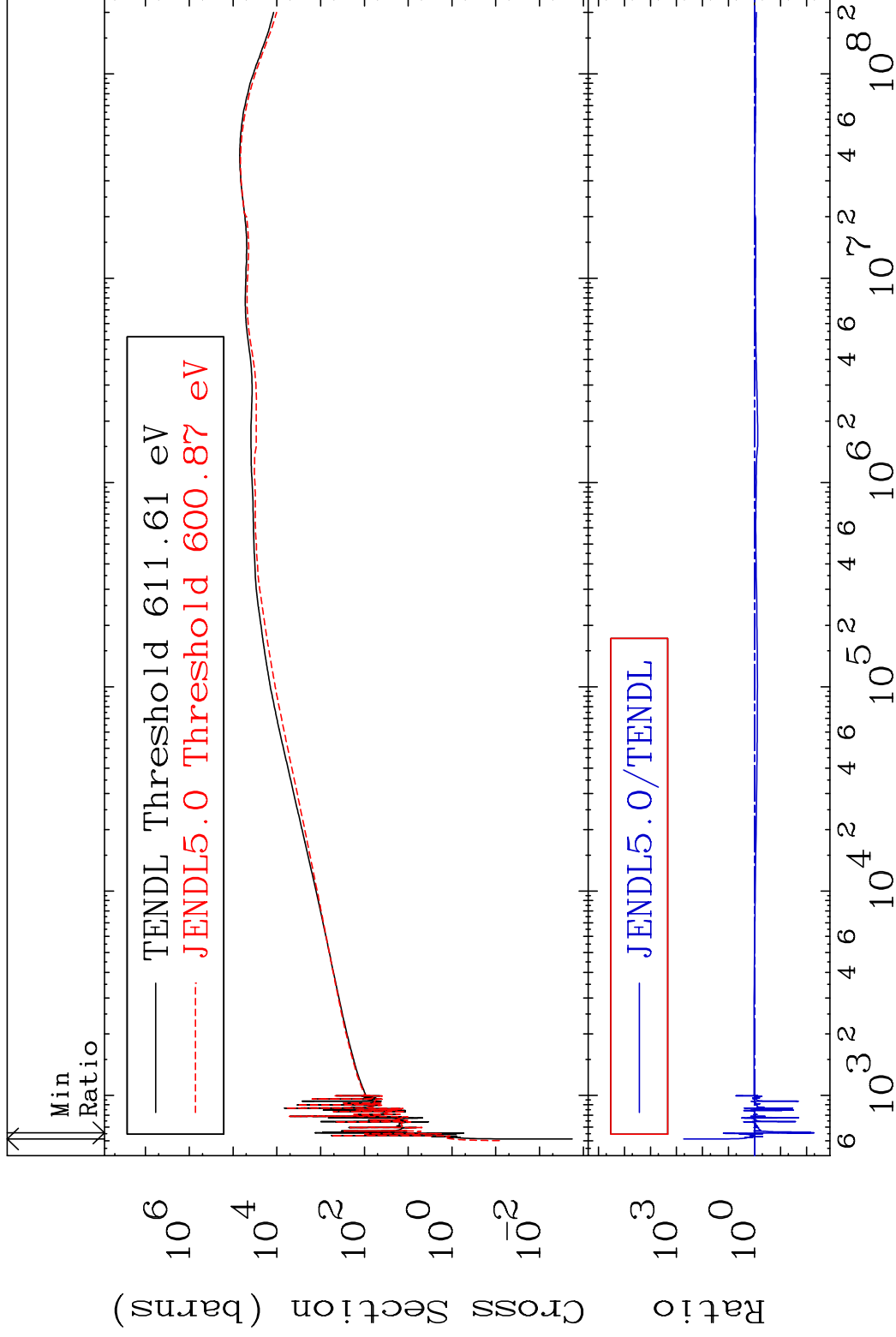


MAT 4434

Dpa elastic (mt2)

44-Ru-99

Cross Section -99.49 To 9999. %

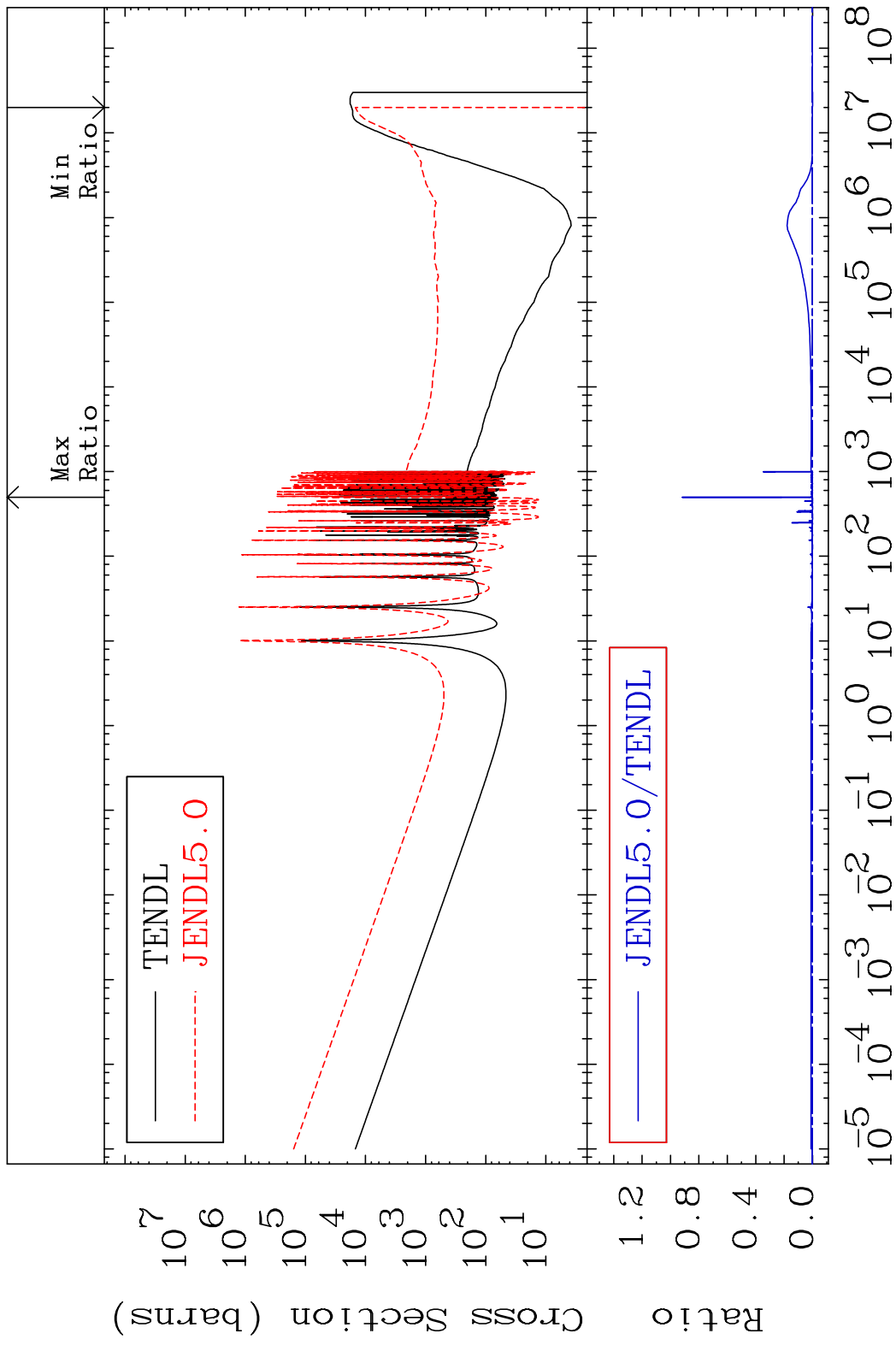


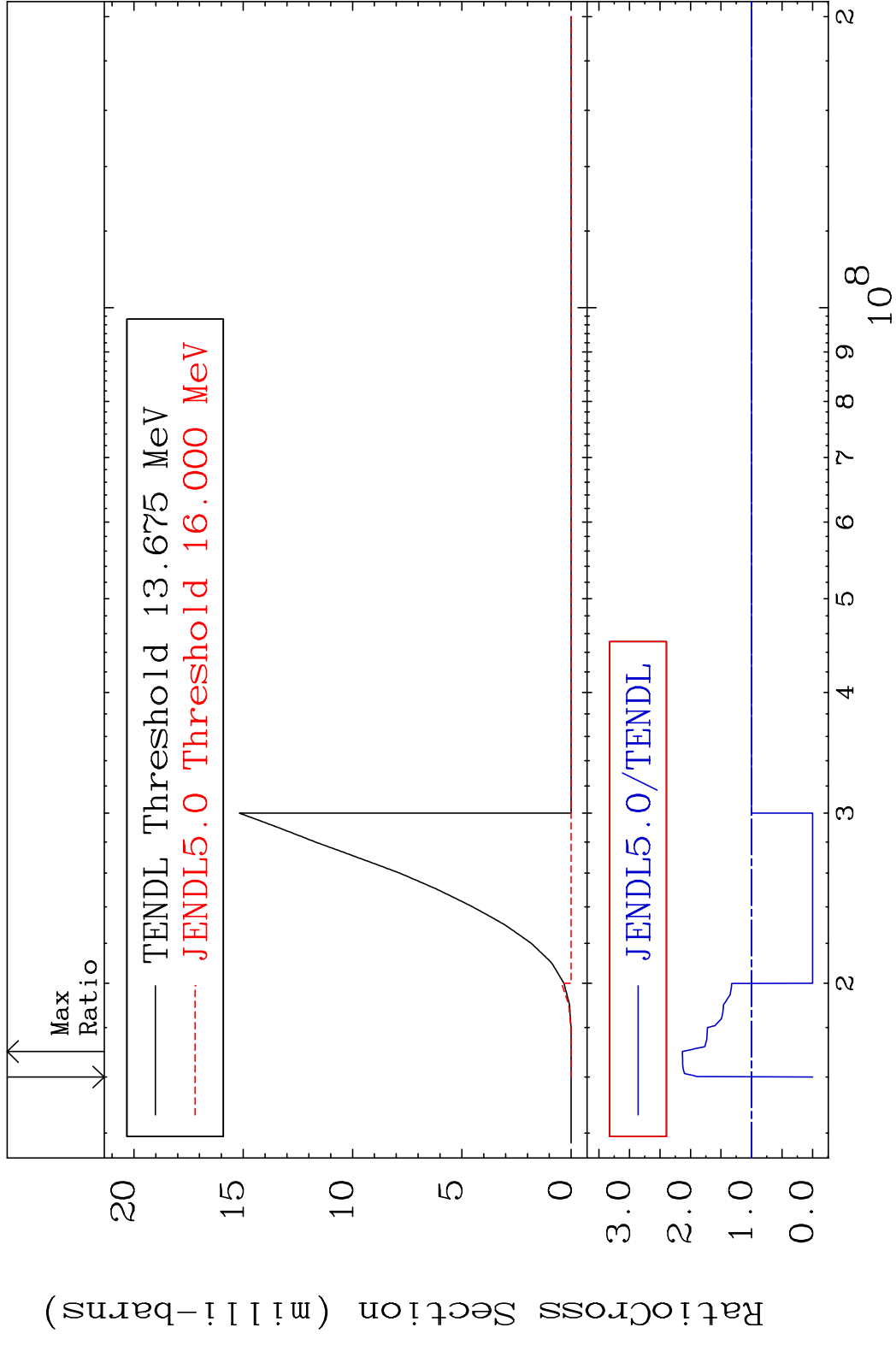
54

Incident Energy (eV)

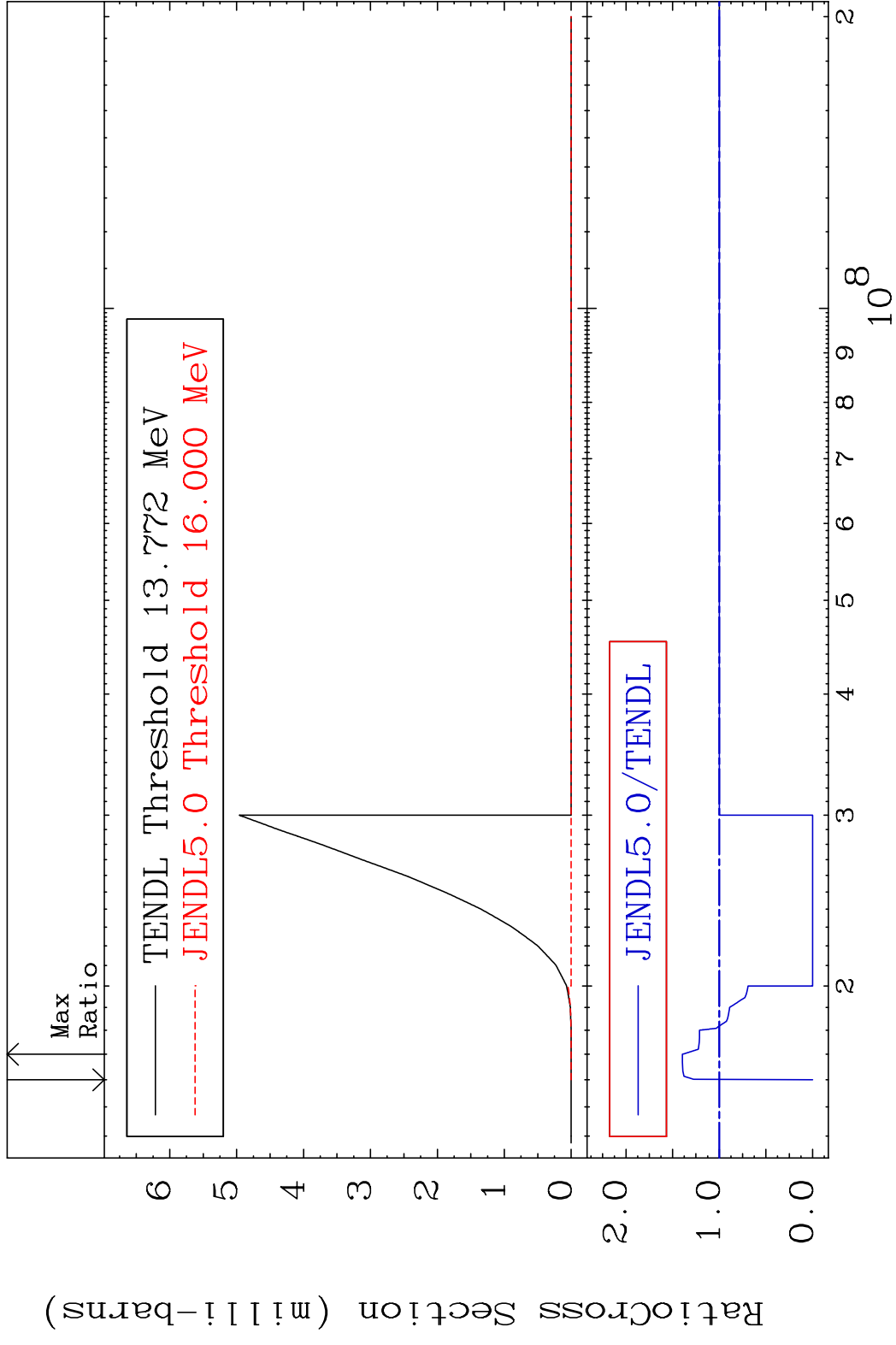
44-Ru-99

MAT 4434 Dpa disappearance (mt102 -120) 44-Ru-99
 Cross Section -100.0 To 9999. %

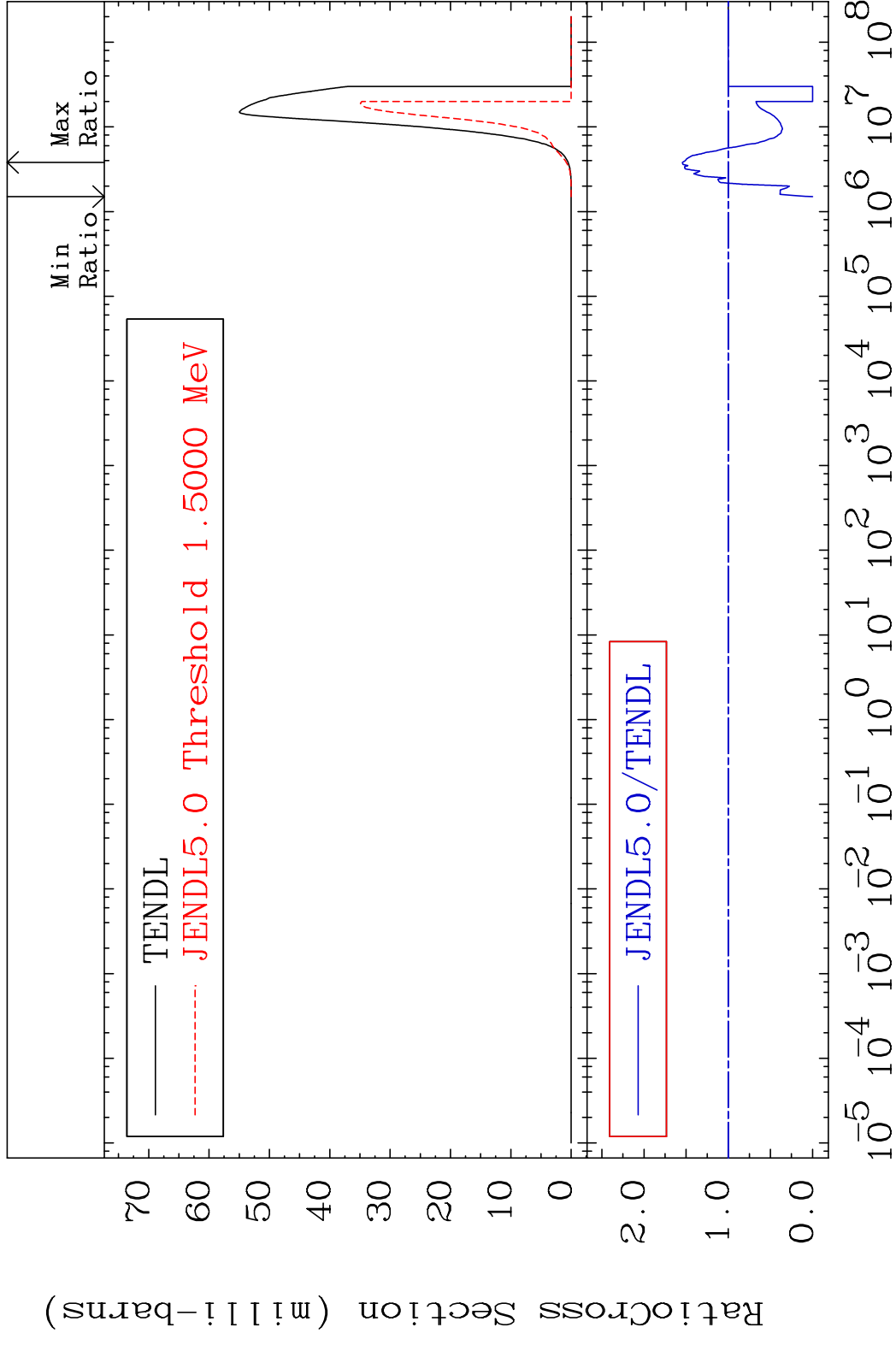




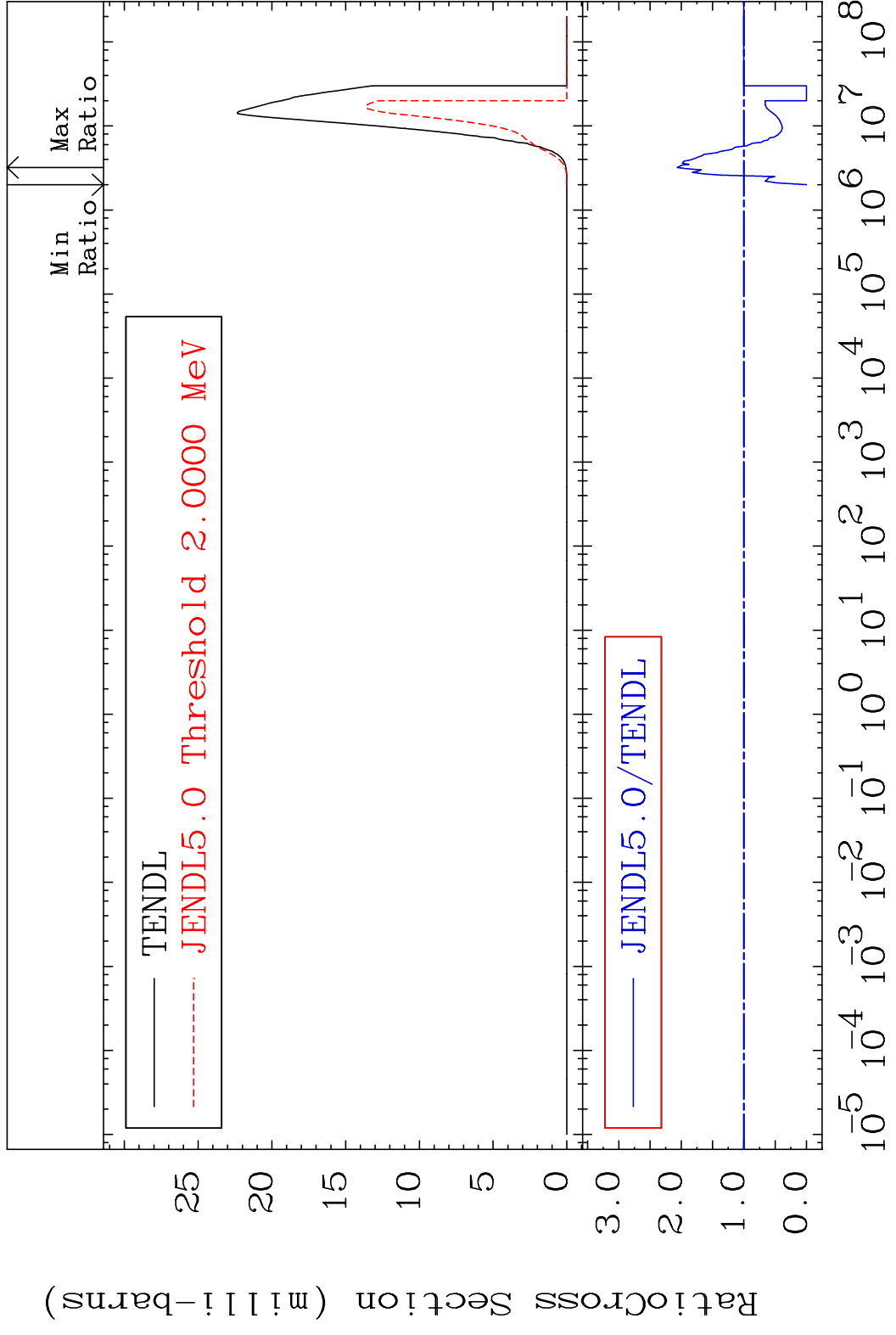
MAT 4434 (n, n') d:43-Tc-97m1 44-Ru-99
 Radionuclide Production Cross Section Ratio 39.58 %



MAT 4434 (n,p):43-Tc-99g 44-Ru-99
 Radionuclide Production Cross Section Ratio 54.46 %

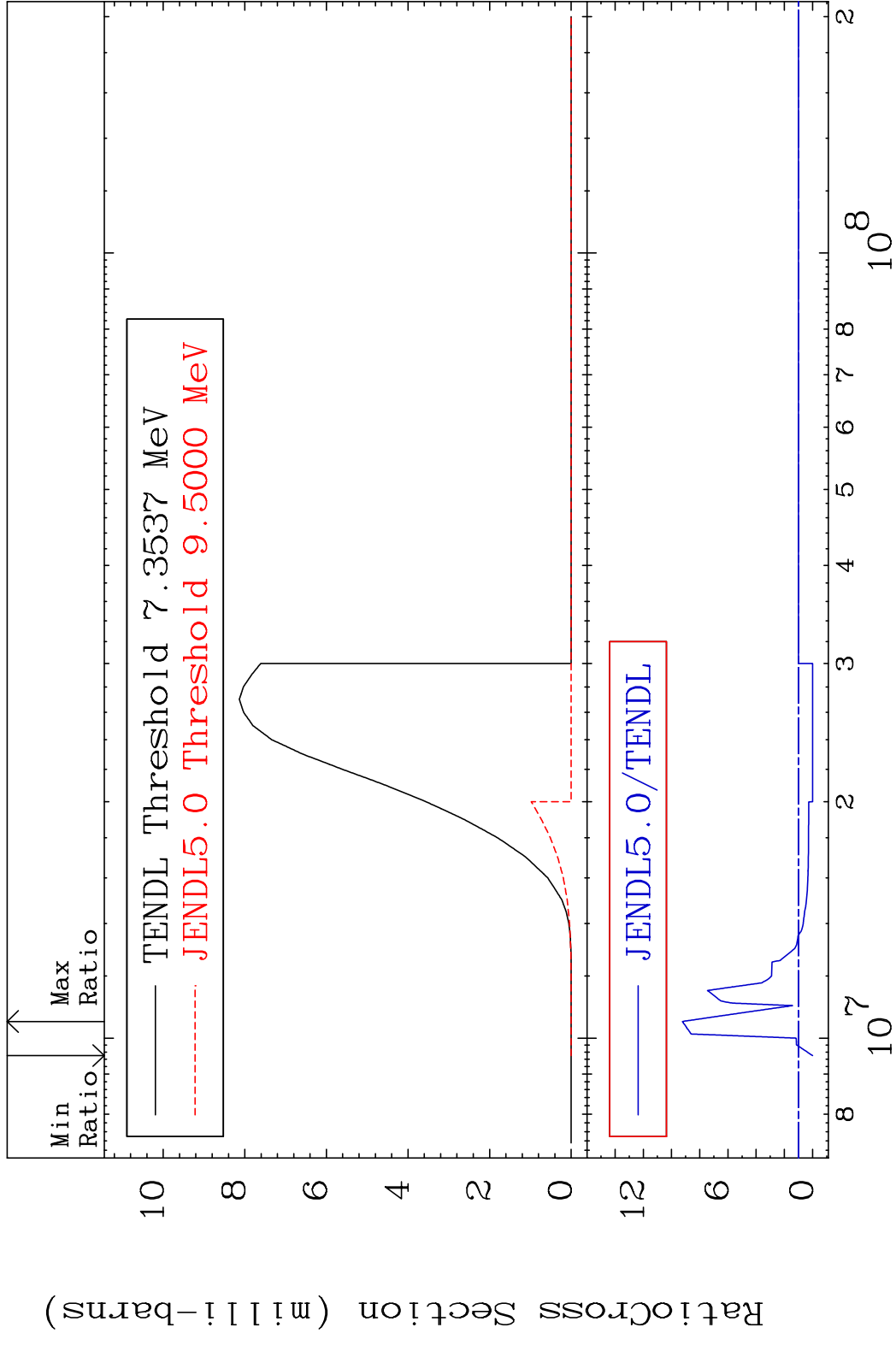


MAT 4434 (n,p):43-Tc-99m2 44-Ru-99
 Radionuclide Production Cross Section Ratio 106.6 %

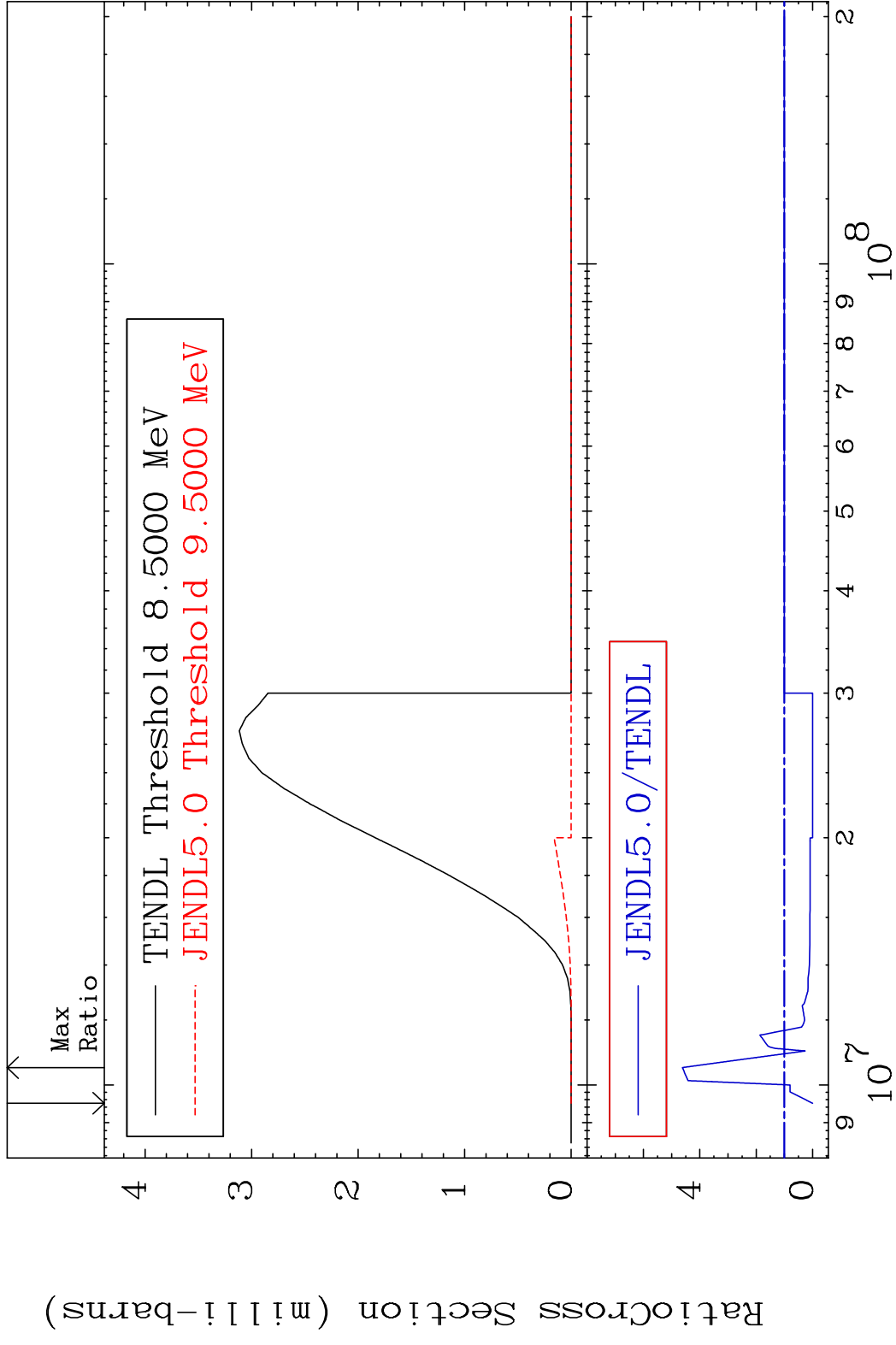


60 Incident Energy (eV) 44-Ru-99

MAT 4434 (n, t): 43-Tc-97g 44-Ru-99
 Radionuclide Production Cross Section 823.1 %



MAT 4434 (n, t): 43-Tc-97m1 44-Ru-99
 Radionuclide Production Cross Section 361.9 %

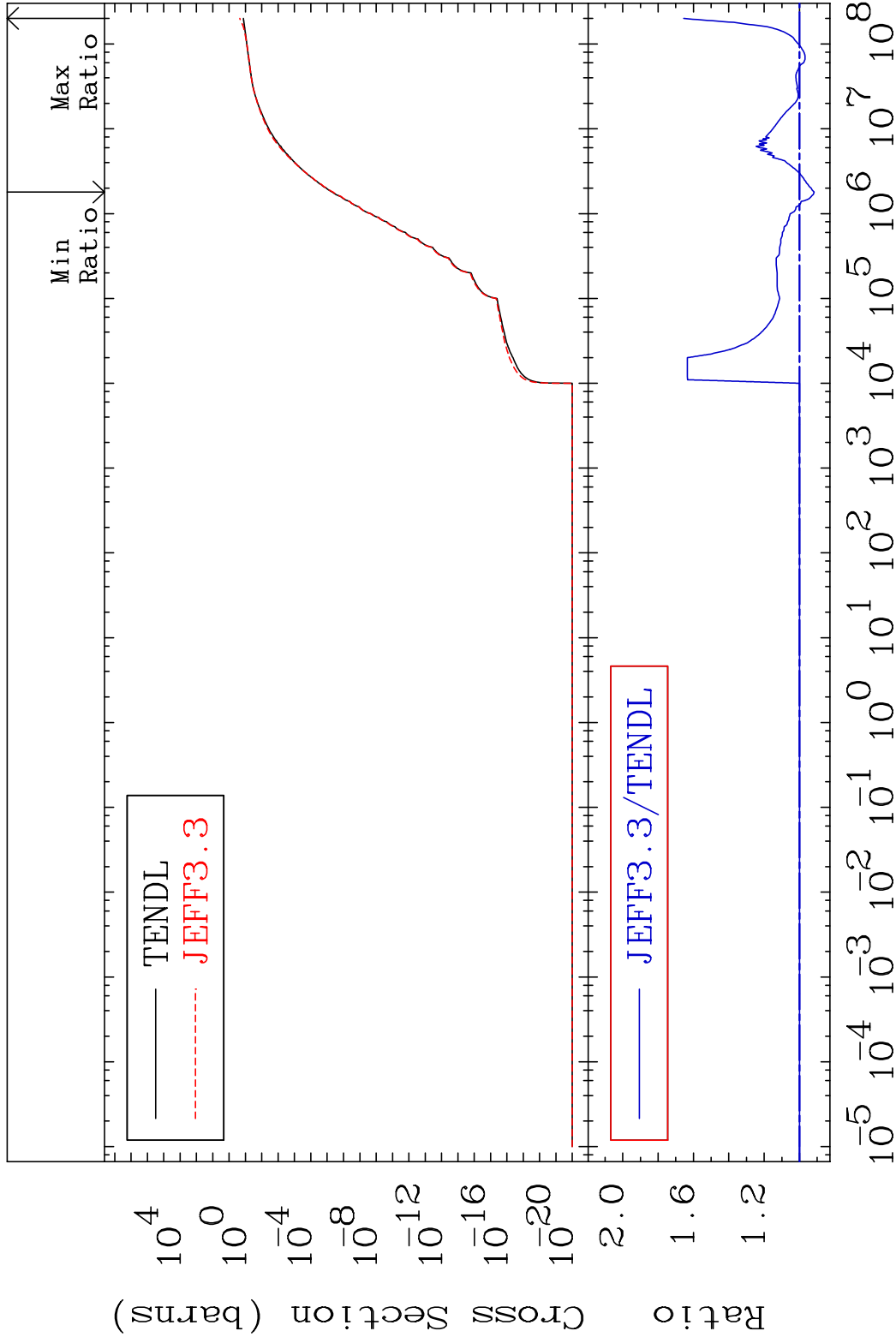


MAT 4434

Hydrogen Production

44-Ru-99

Cross Section -8.242 To 65.54 %



63

Incident Energy (eV)

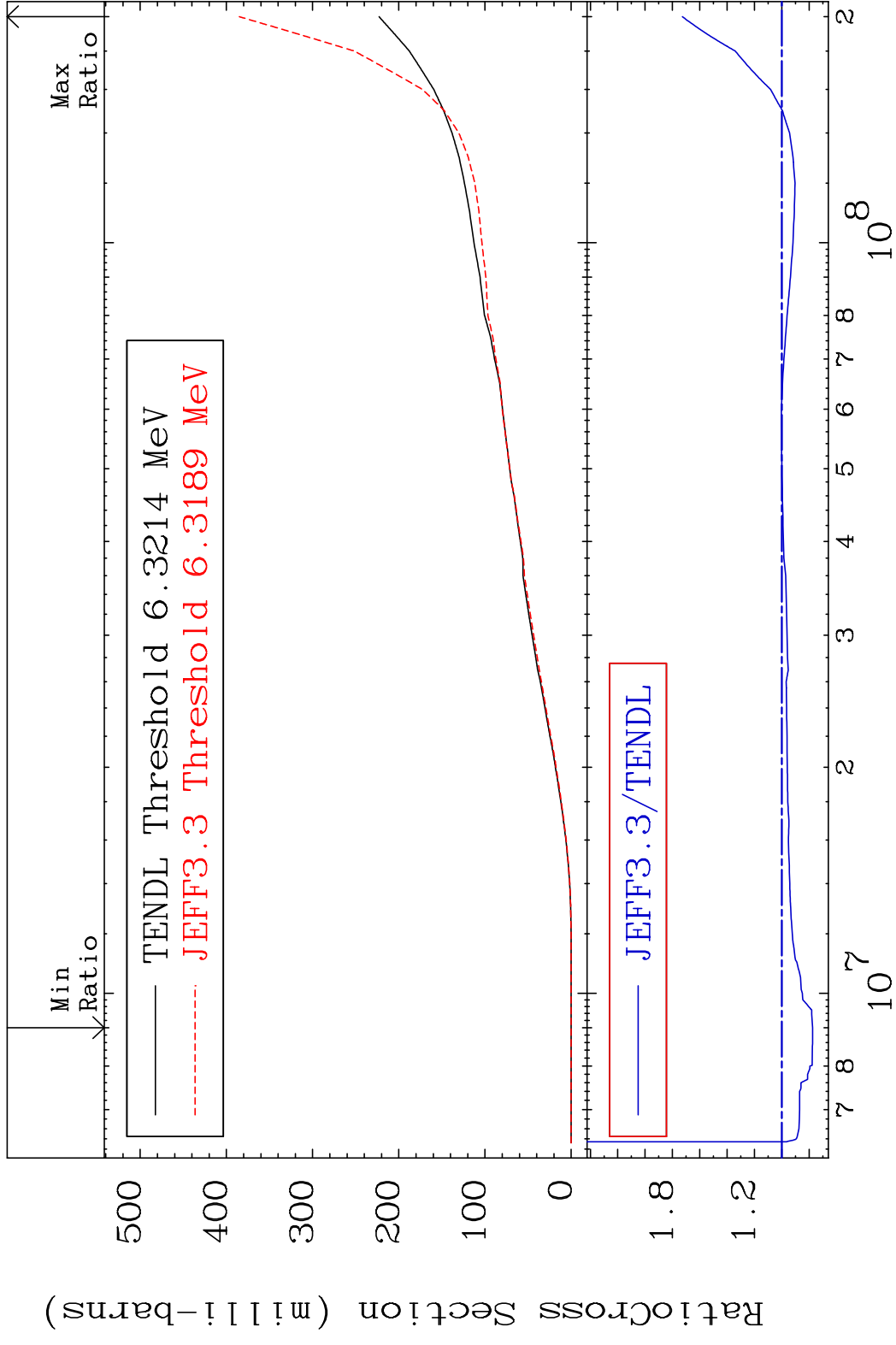
44-Ru-99

MAT 4434

Deuterium Production

44-Ru-99

Cross Section -22.53 To 72.72 %

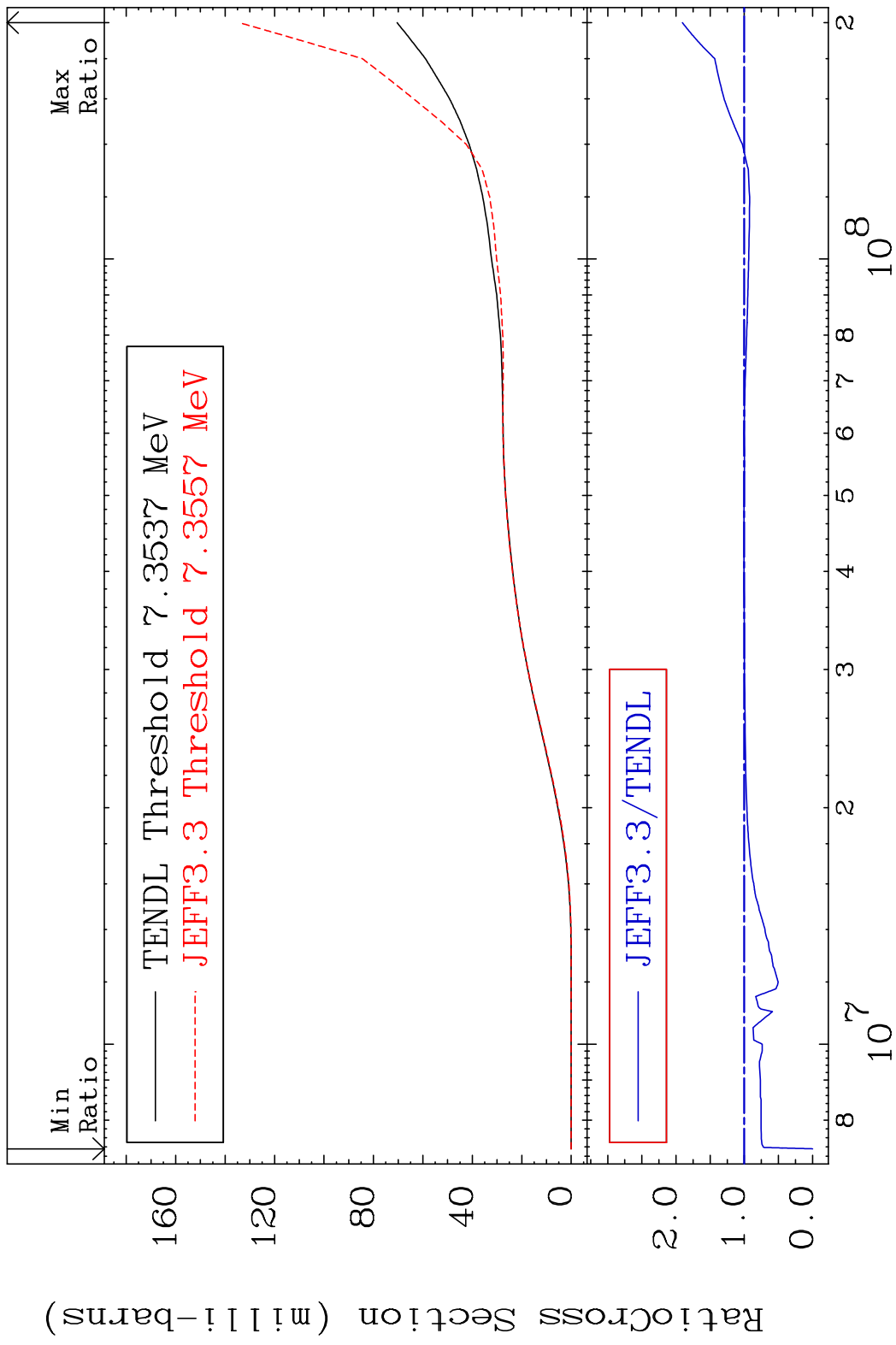


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Incident Energy (eV)

44-Ru-99

MAT 4434 Tritium Production 44-Ru-99
 Cross Section -100.0 To 90.70 %

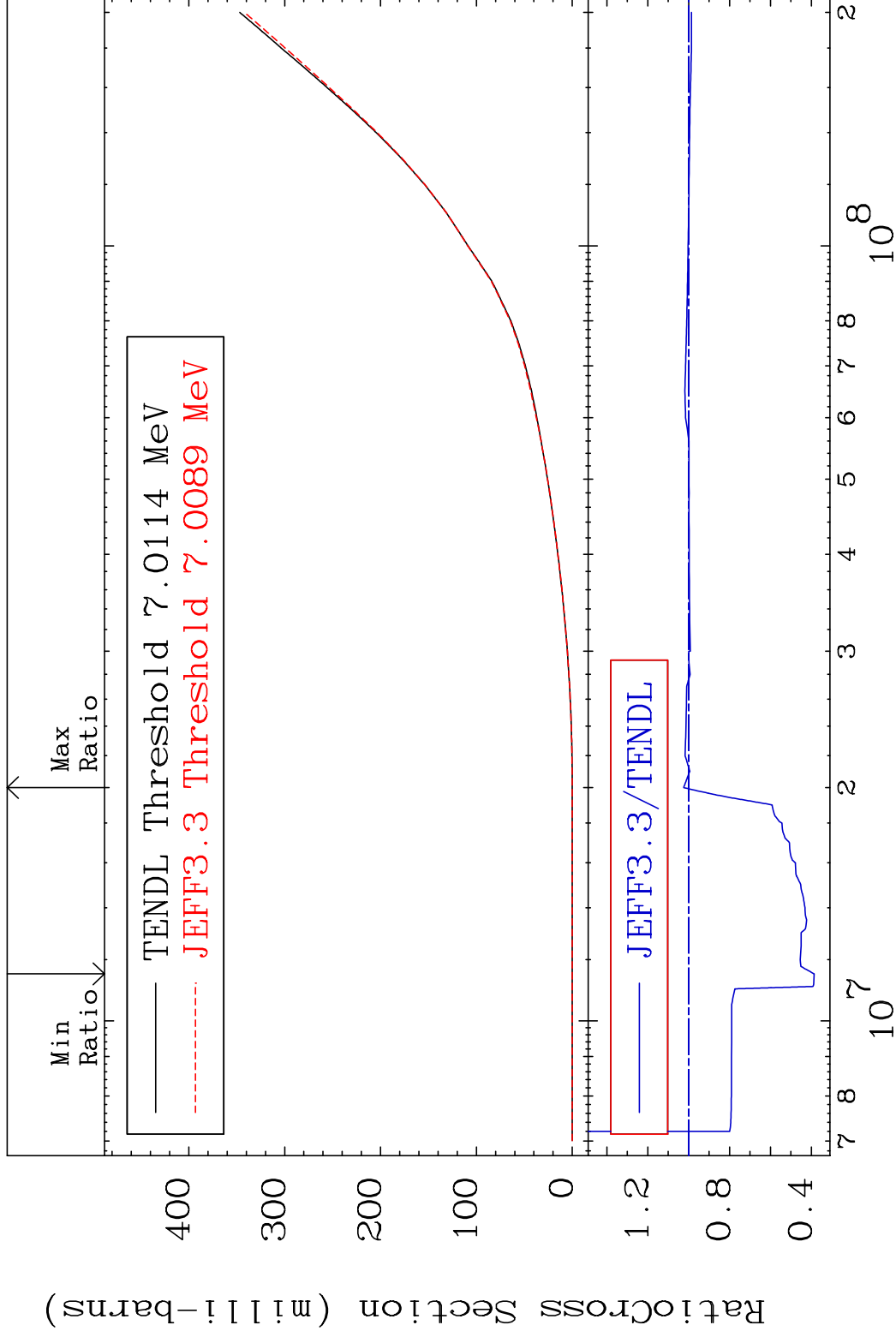


MAT 4434

He-3 Production

44-Ru-99

Cross Section -61.35 To 2.447 %



66

Incident Energy (eV)

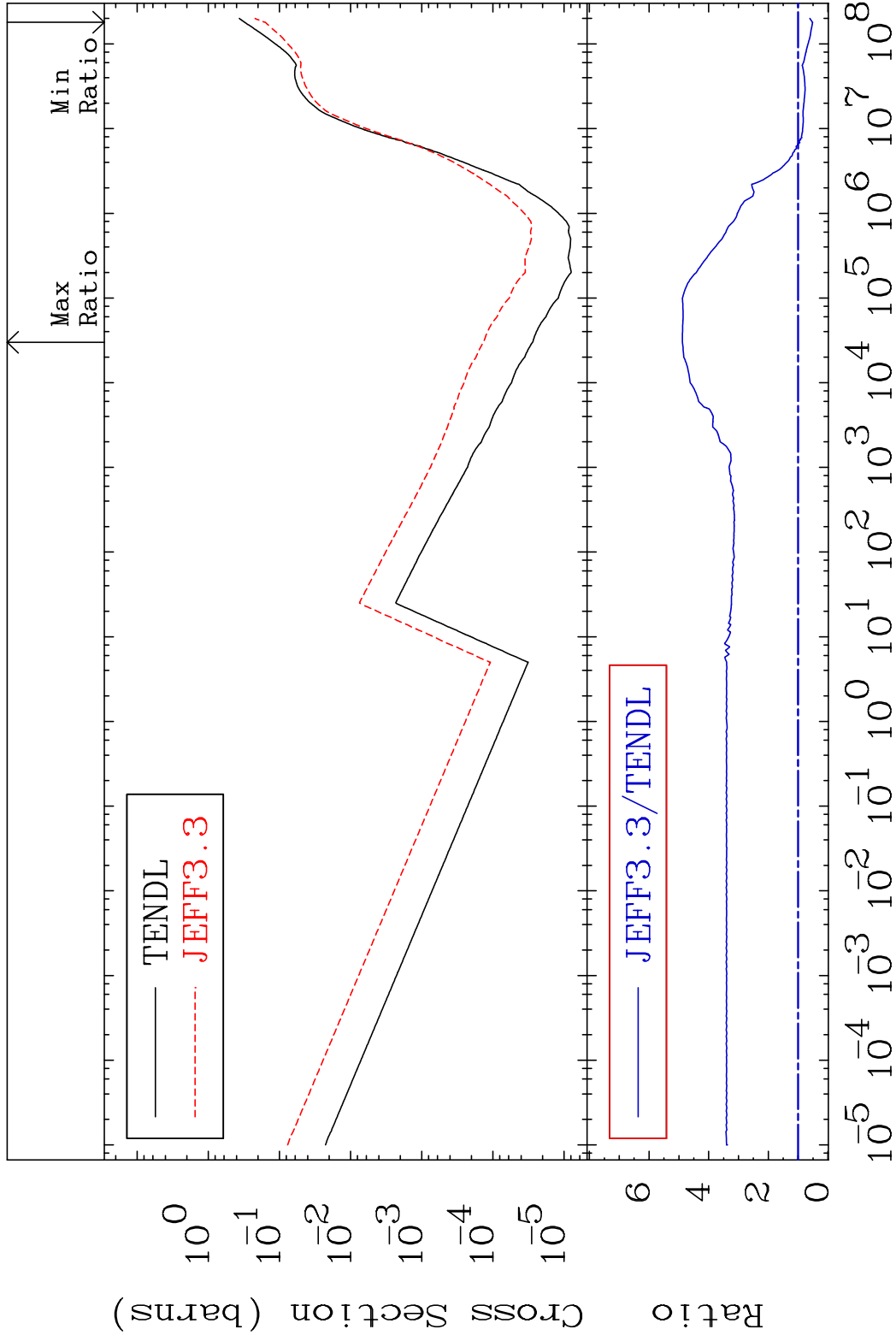
44-Ru-99

MAT 4434

He-4 Production

44-Ru-99

Cross Section -48.41 To 388.3 %

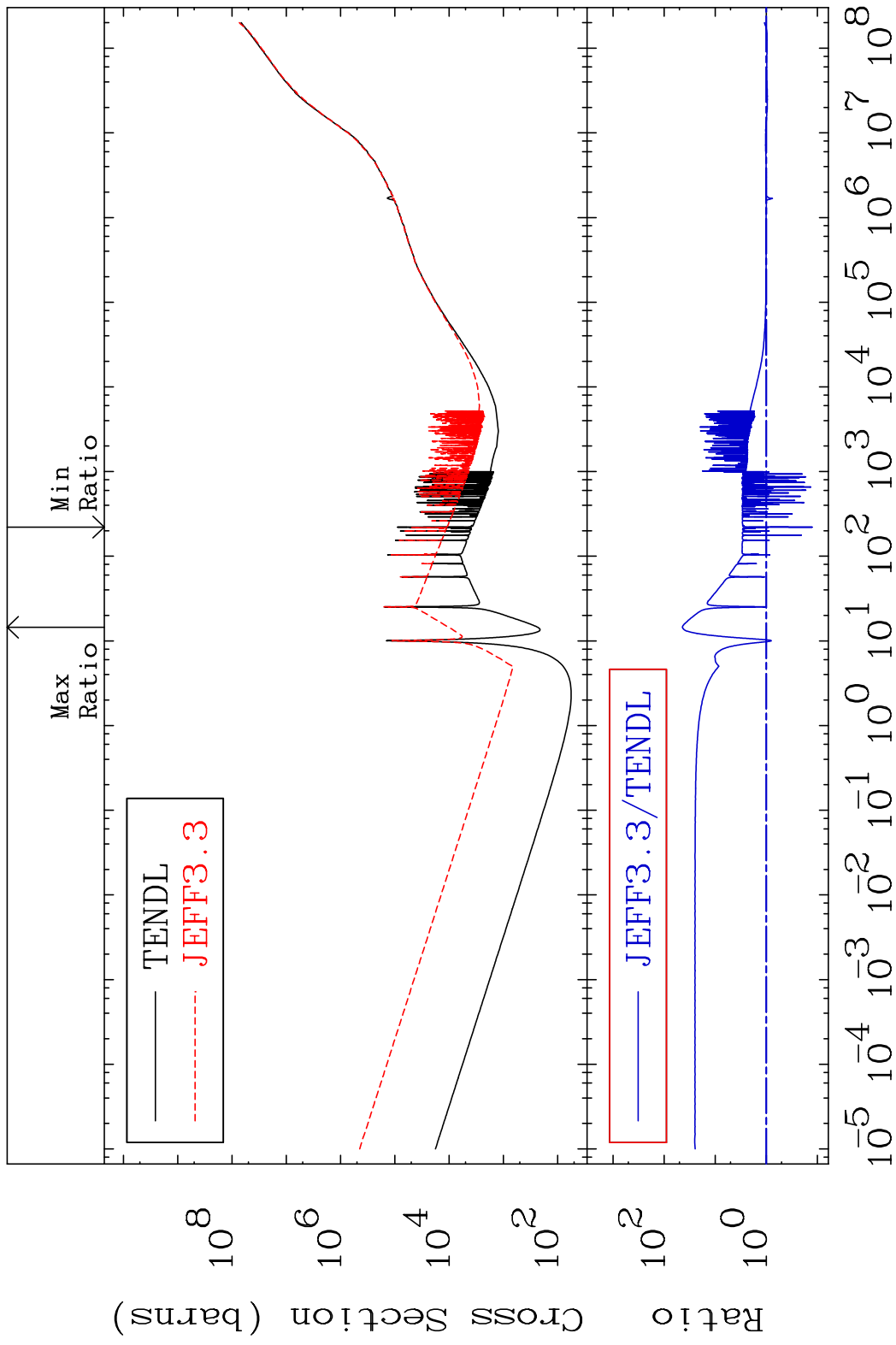


67

Incident Energy (eV)

44-Ru-99

MAT 4434 Kerma total (eV-barns) 44-Ru-99
 Cross Section -87.58 To 4292. %

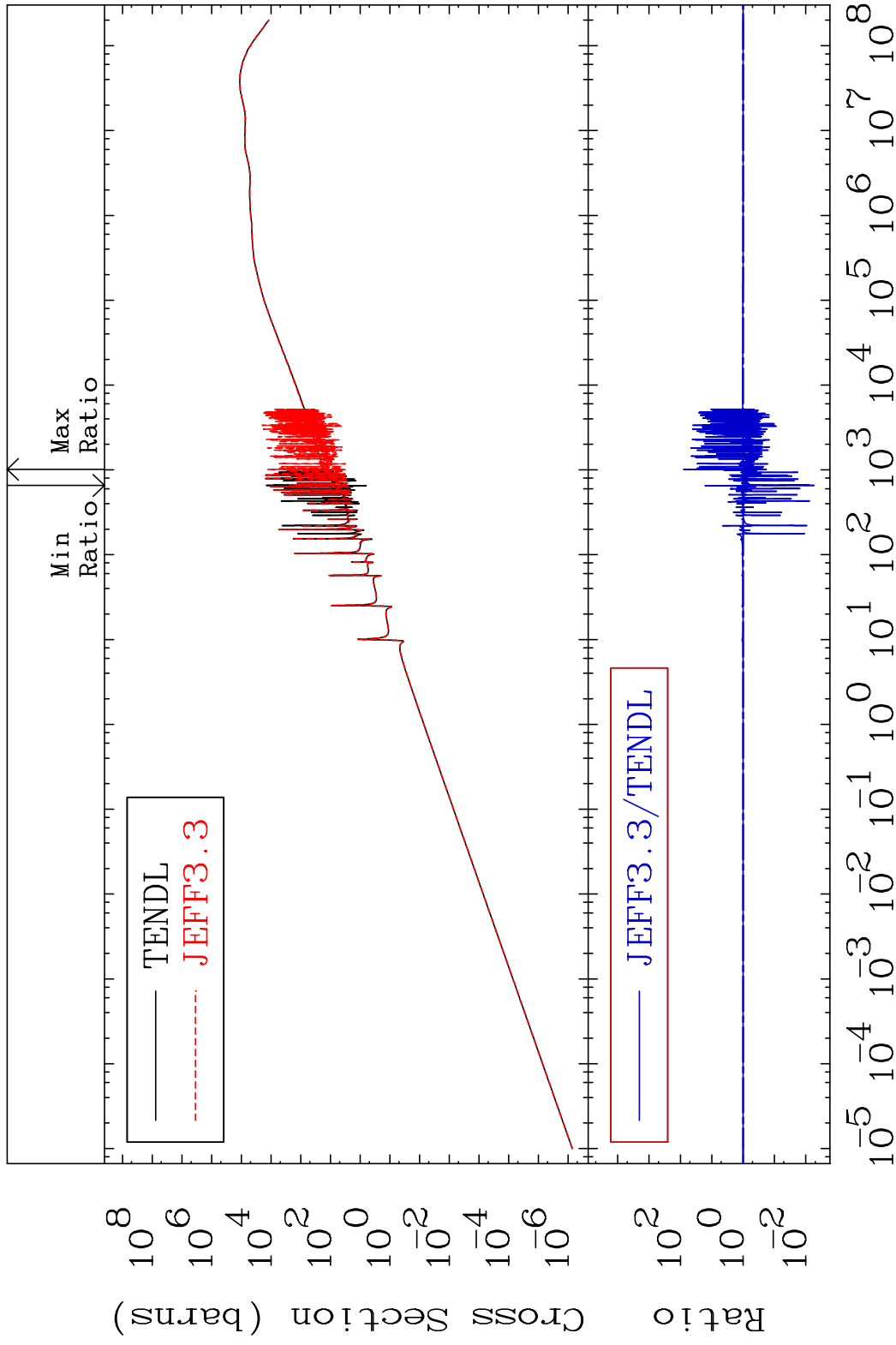


MAT 4434

Kerma elastic

44-Ru-99

Cross Section -99.46 To 7777. %

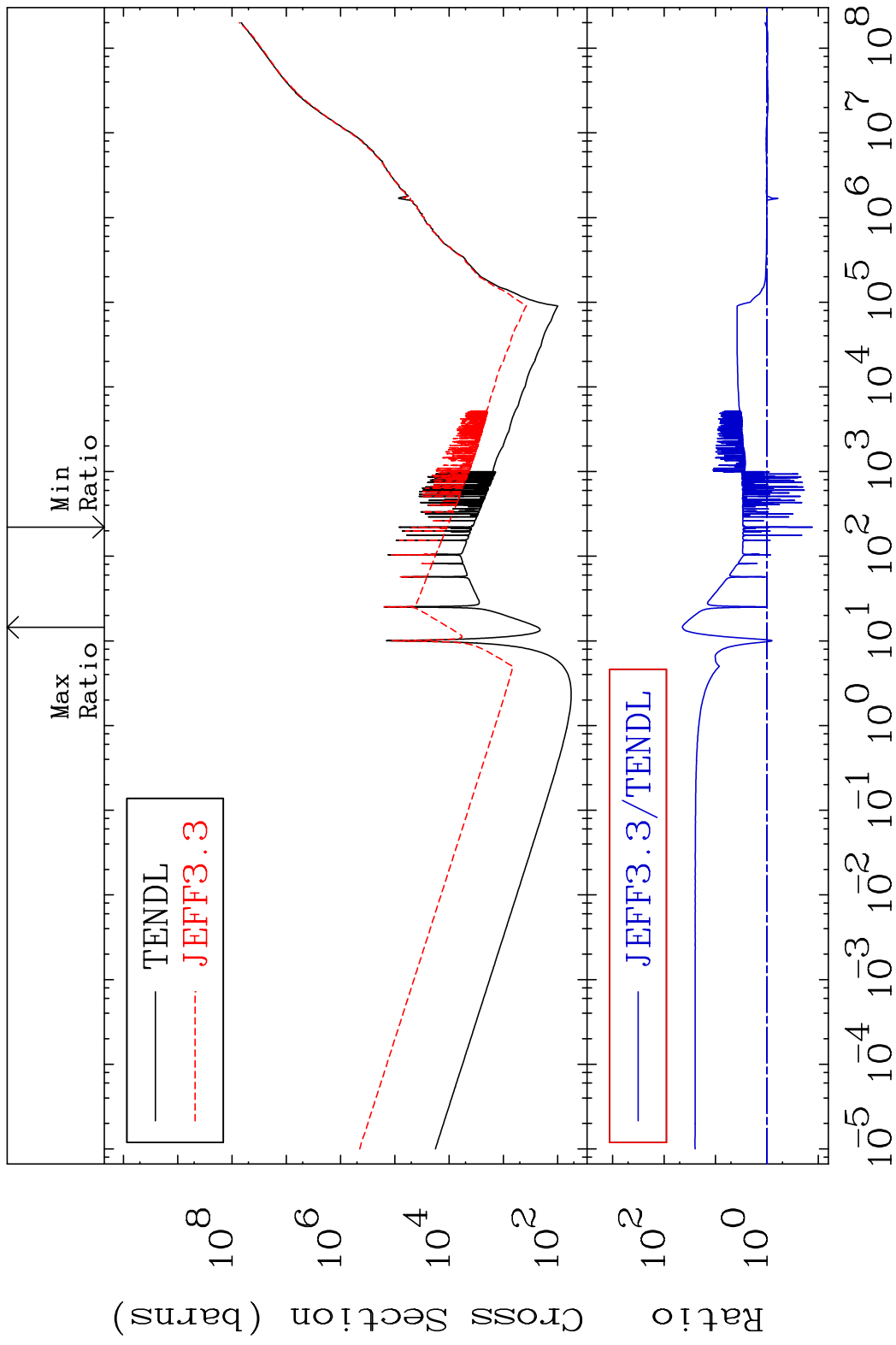


69

Incident Energy (eV)

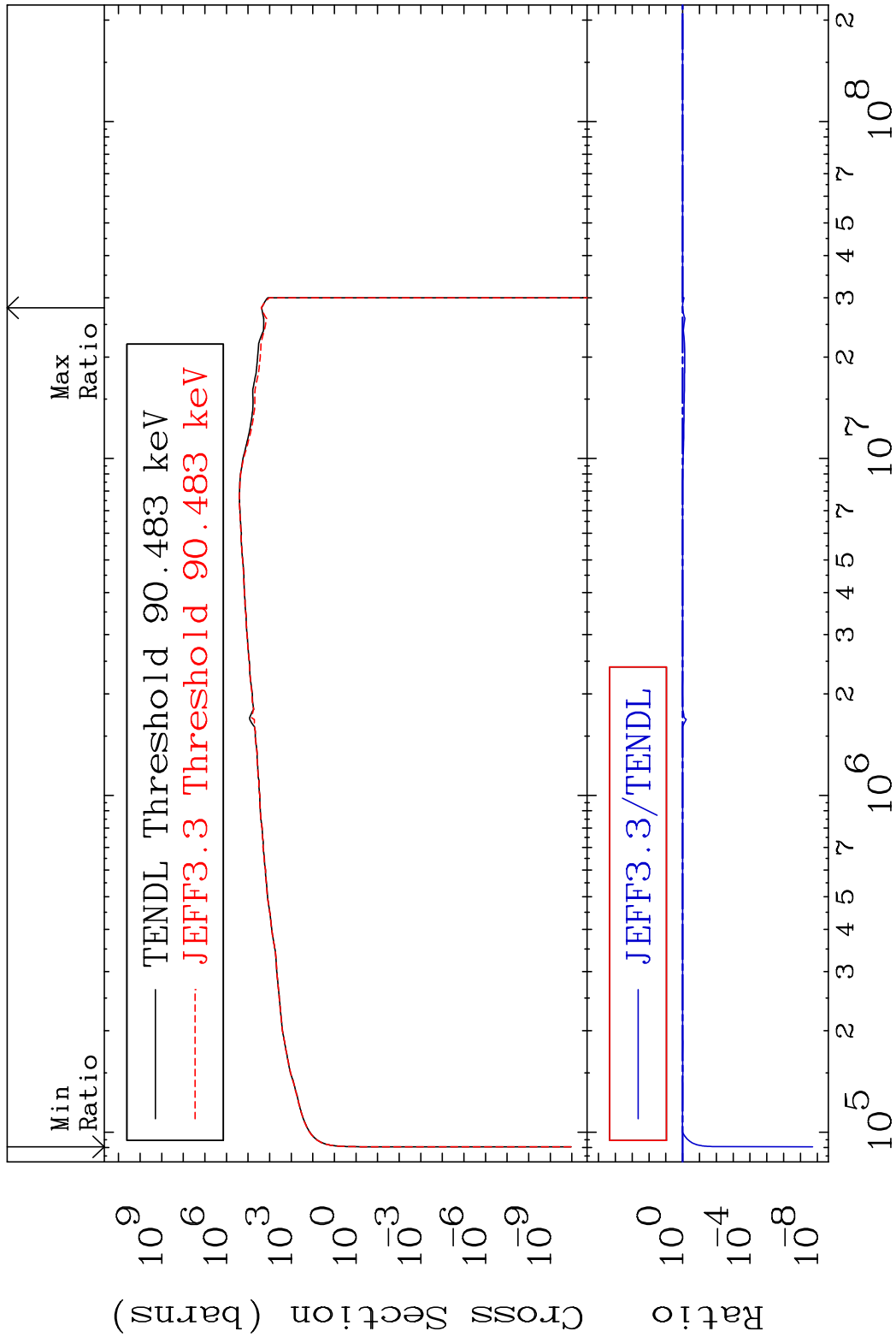
44-Ru-99

MAT 4434 Kerma non-elastic (all but mt2) 44-Ru-99
 Cross Section -87.01 To 4314. %



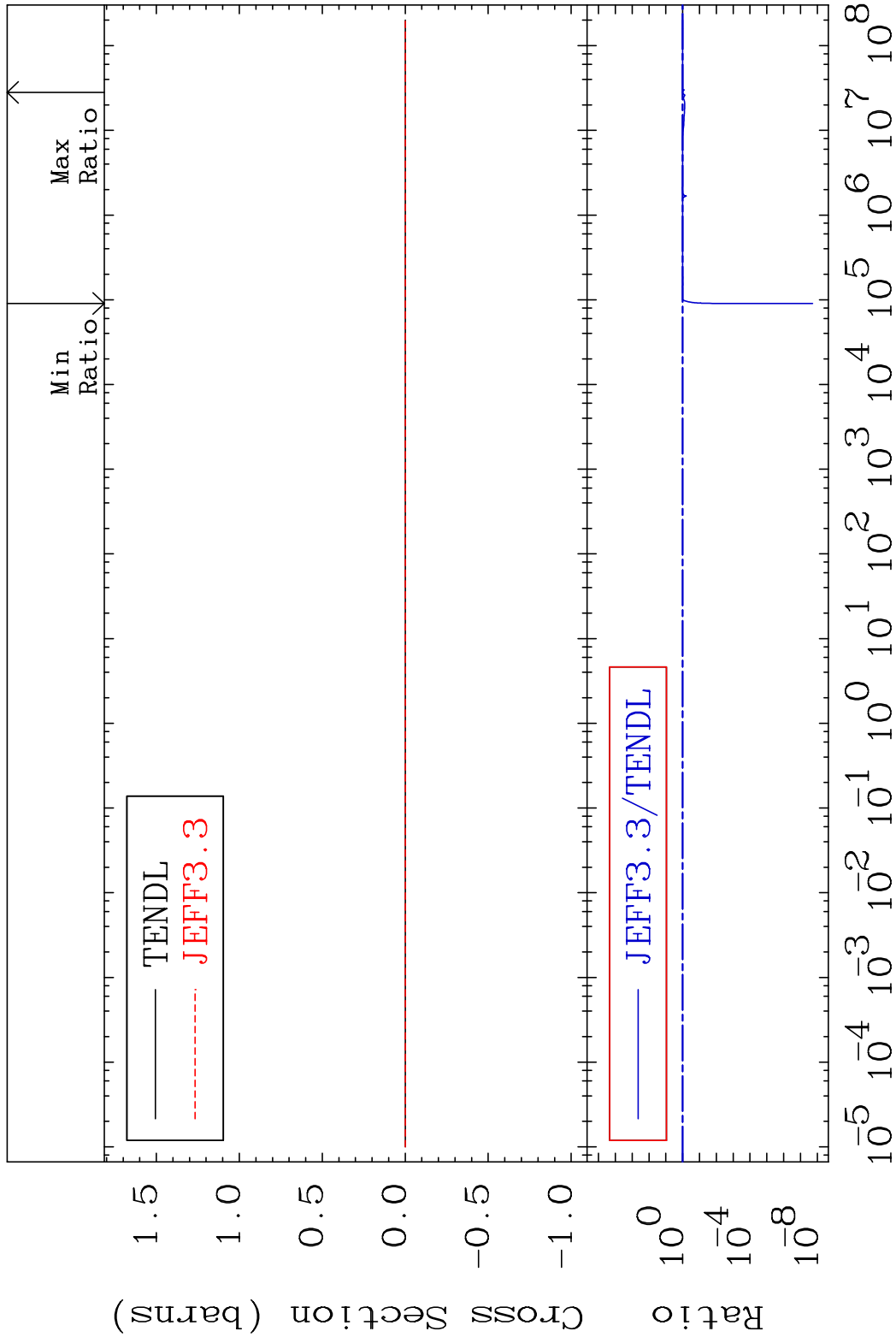
70 Incident Energy (eV) 44-Ru-99

MAT 4434 Kerma inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 4.482 %



71 Incident Energy (eV) 44-Ru-99

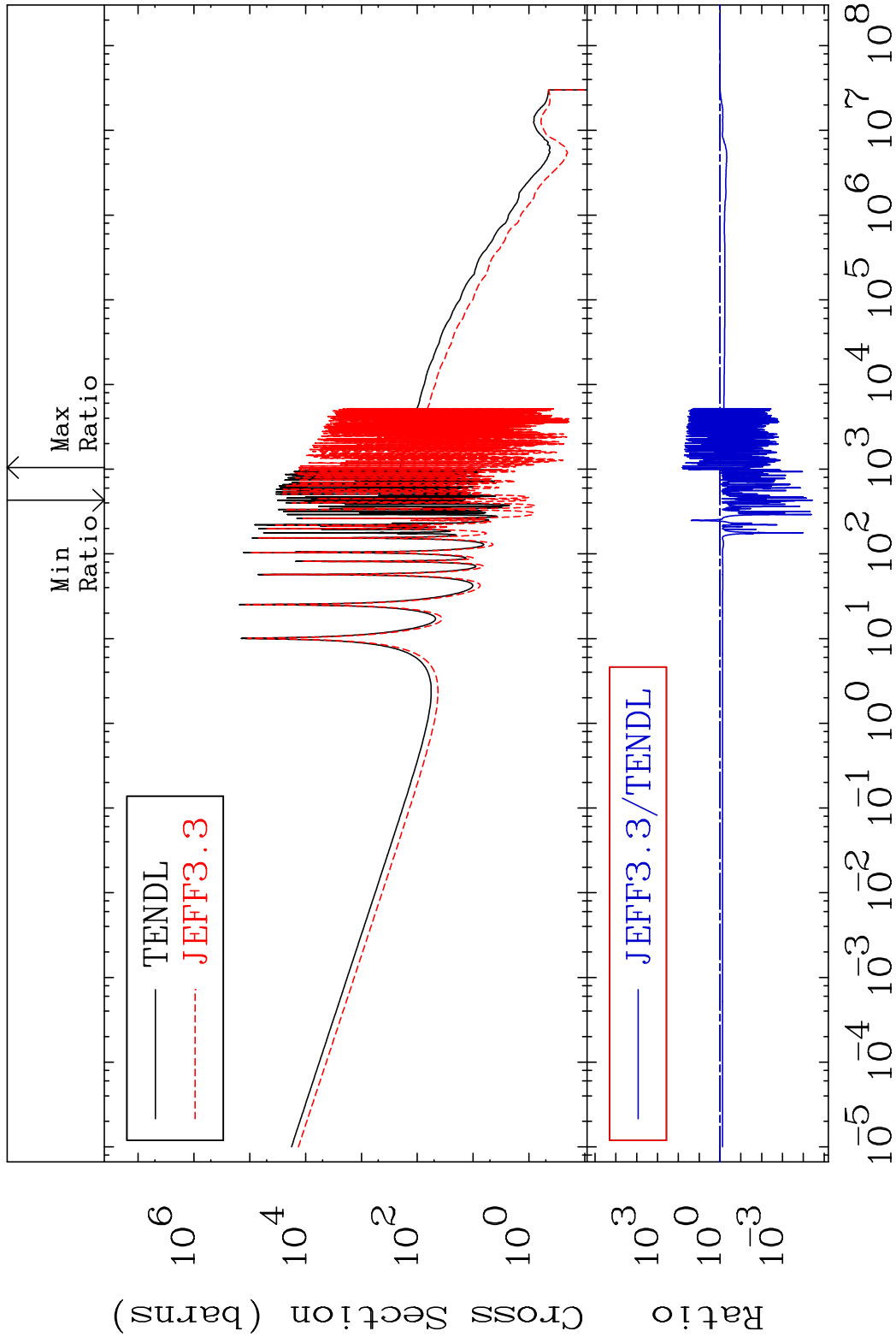
MAT 4434 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-99
 Cross Section -100.0 To 4.482 %



MAT 4434

Kerma capture (mt102) 44-Ru-99

Cross Section -100.0 To 6335. %



73

Incident Energy (eV)

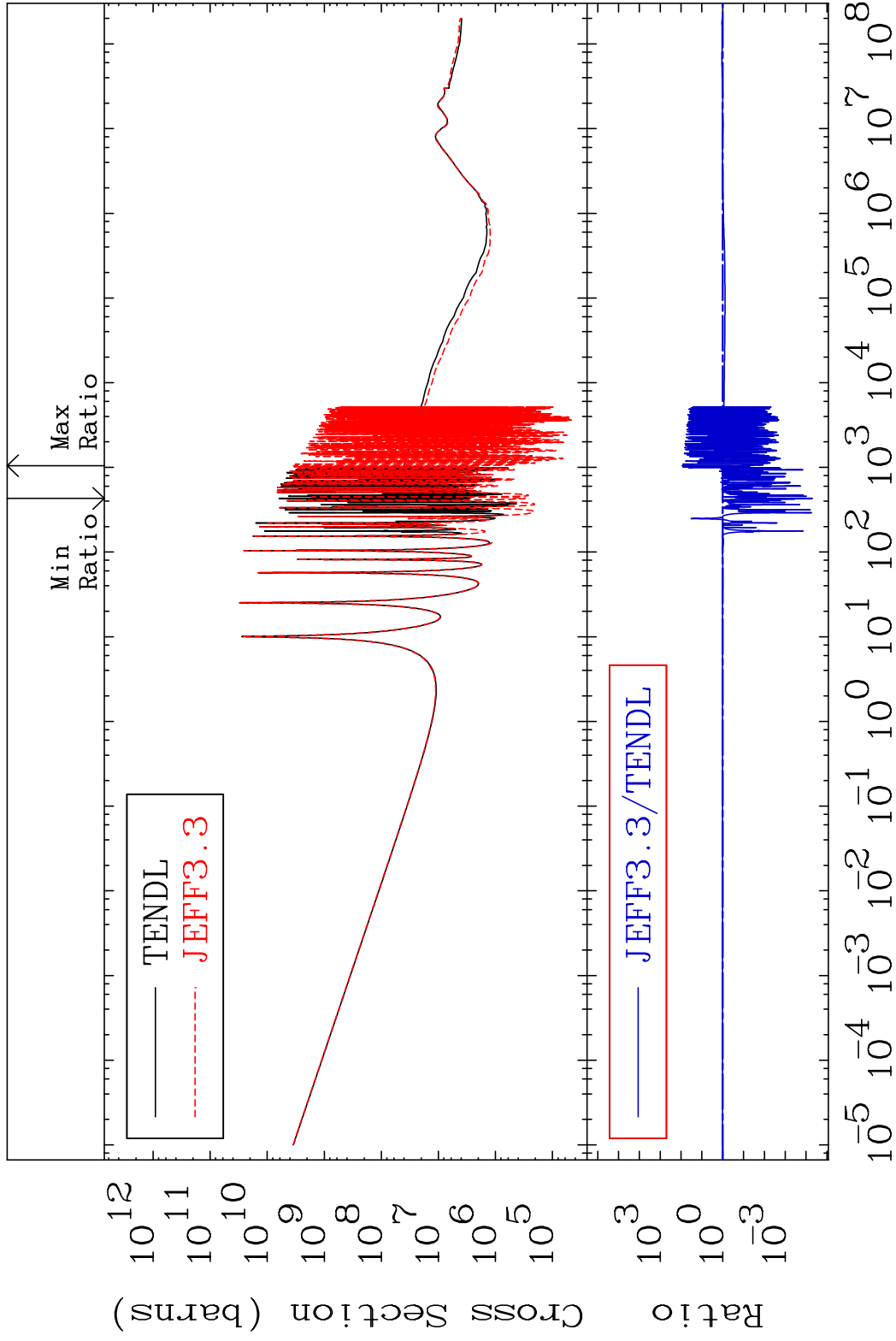
44-Ru-99

MAT 4434

Total photon (eV-barns)

44-Ru-99

Cross Section -100.0 To 8543. %

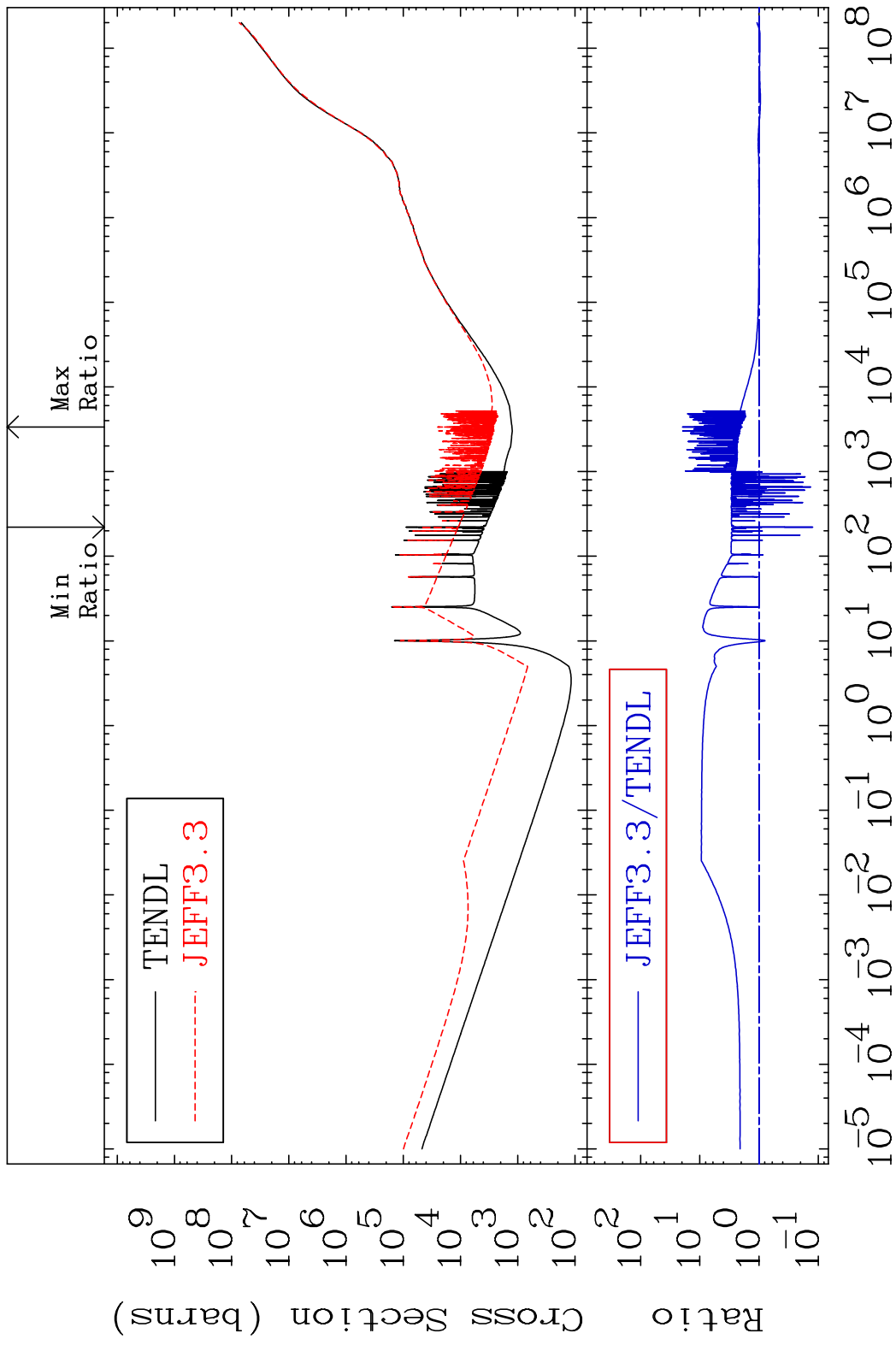


74

Incident Energy (eV)

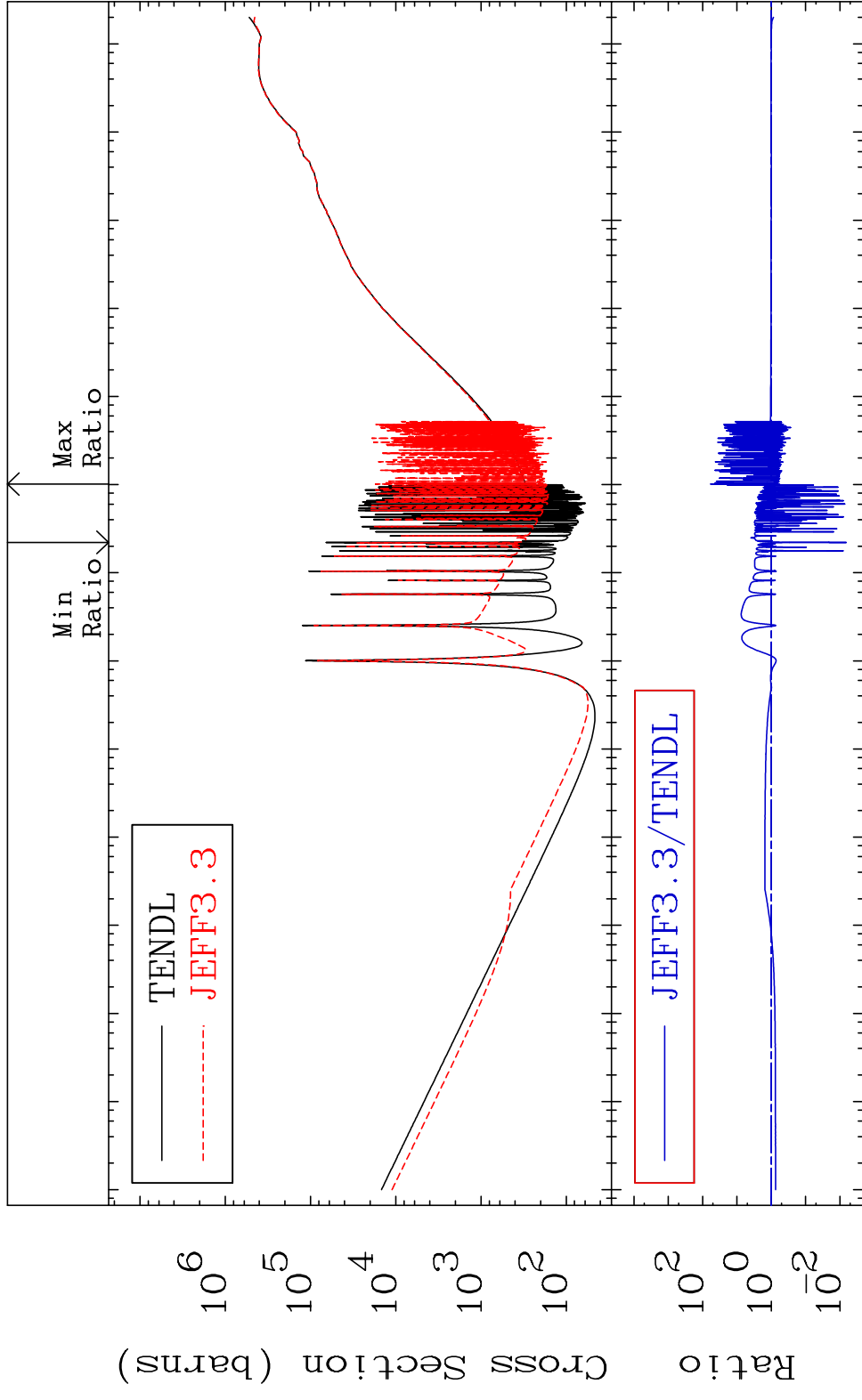
44-Ru-99

MAT 4434 Total kinematic kerma (high limit) 44-Ru-99
 Cross Section -87.49 To 1870. %



75 Incident Energy (eV) 44-Ru-99

MAT 4434 Dpa total (eV-barns) 44-Ru-99
 Cross Section -99.35 To 5695. %



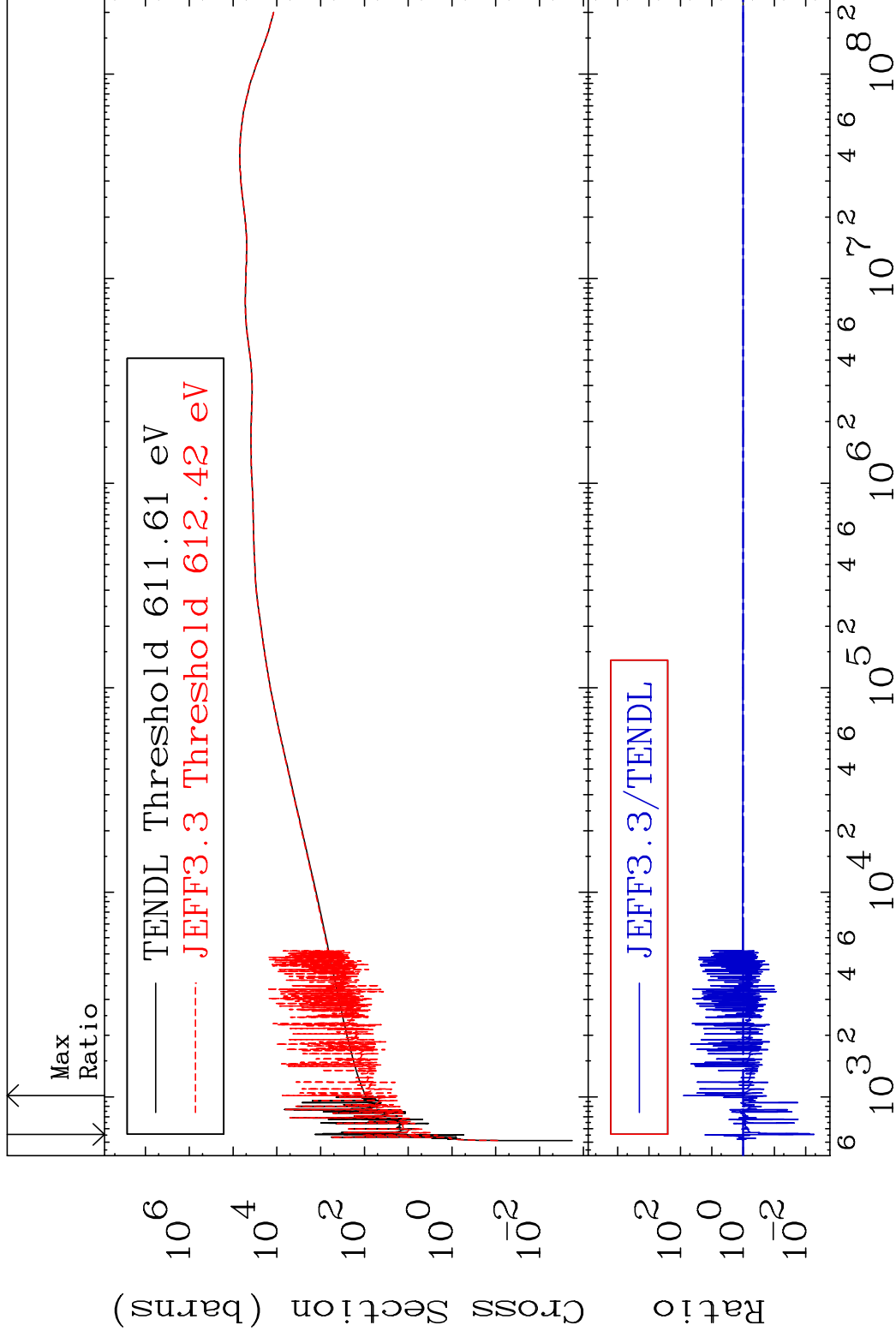
76 Incident Energy (eV) 44-Ru-99

MAT 4434

Dpa elastic (mt2)

44-Ru-99

Cross Section -99.46 To 7771. %

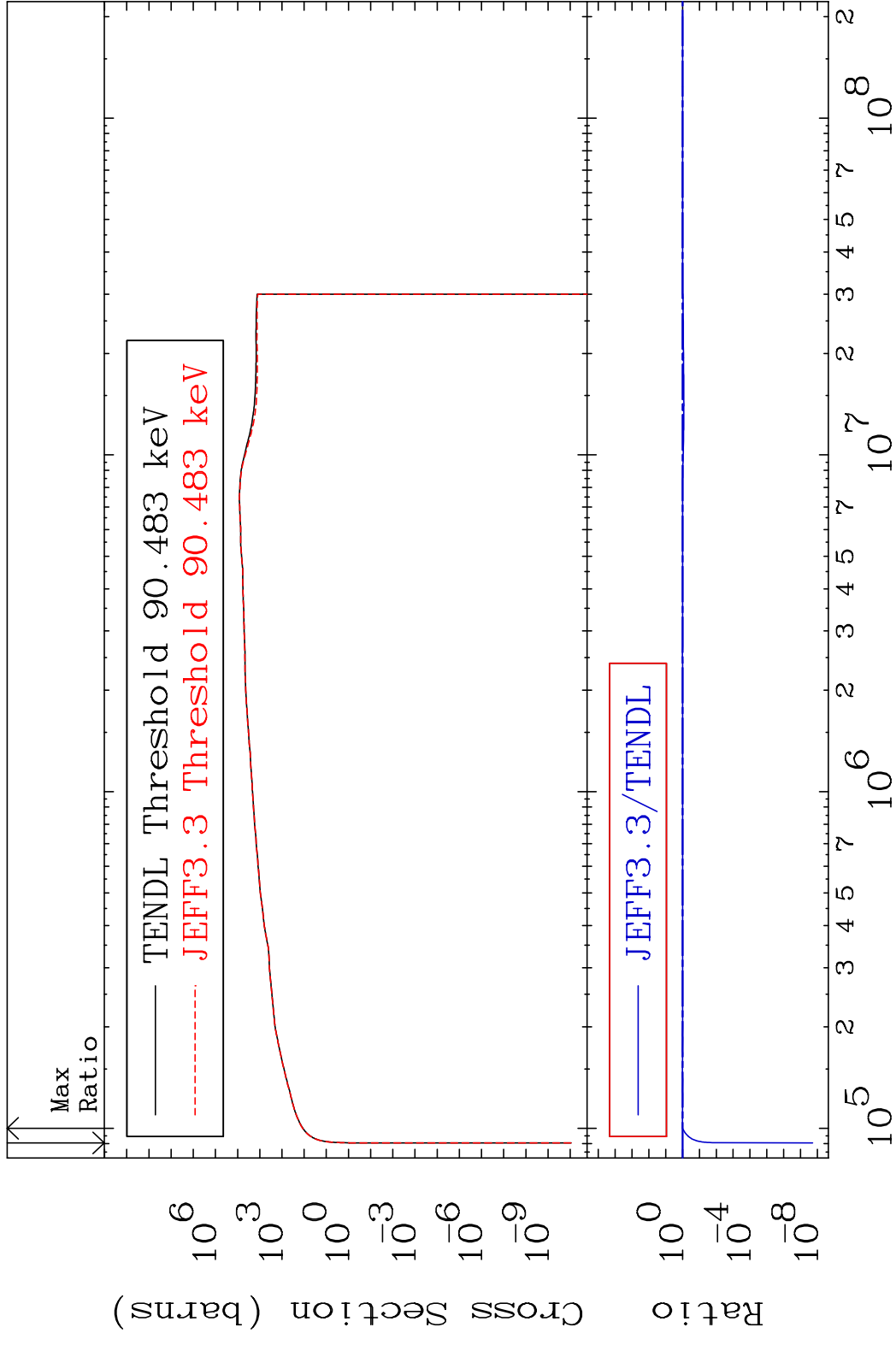


77

Incident Energy (eV)

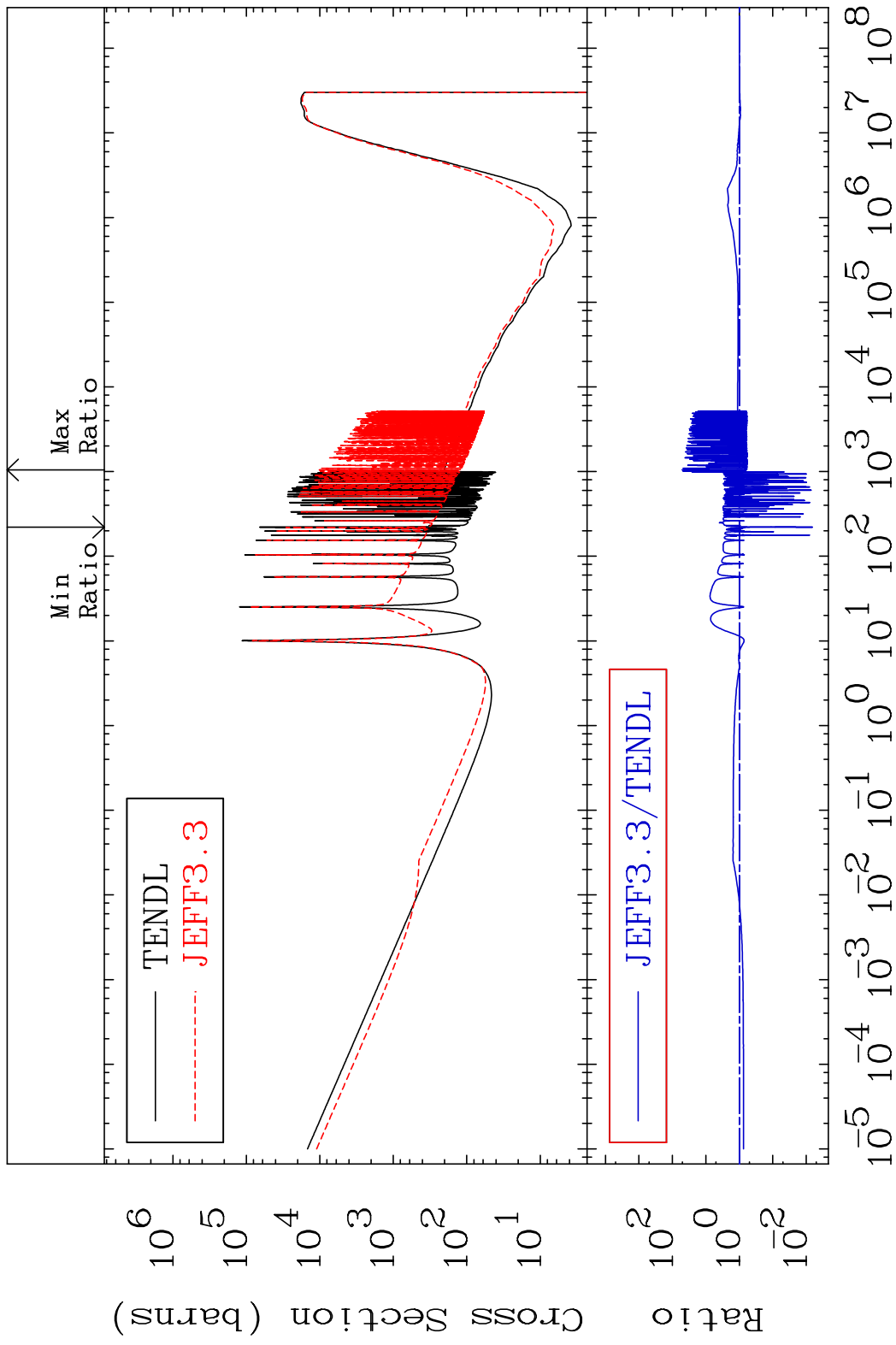
44-Ru-99

MAT 4434 Dpa inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 2.832 %

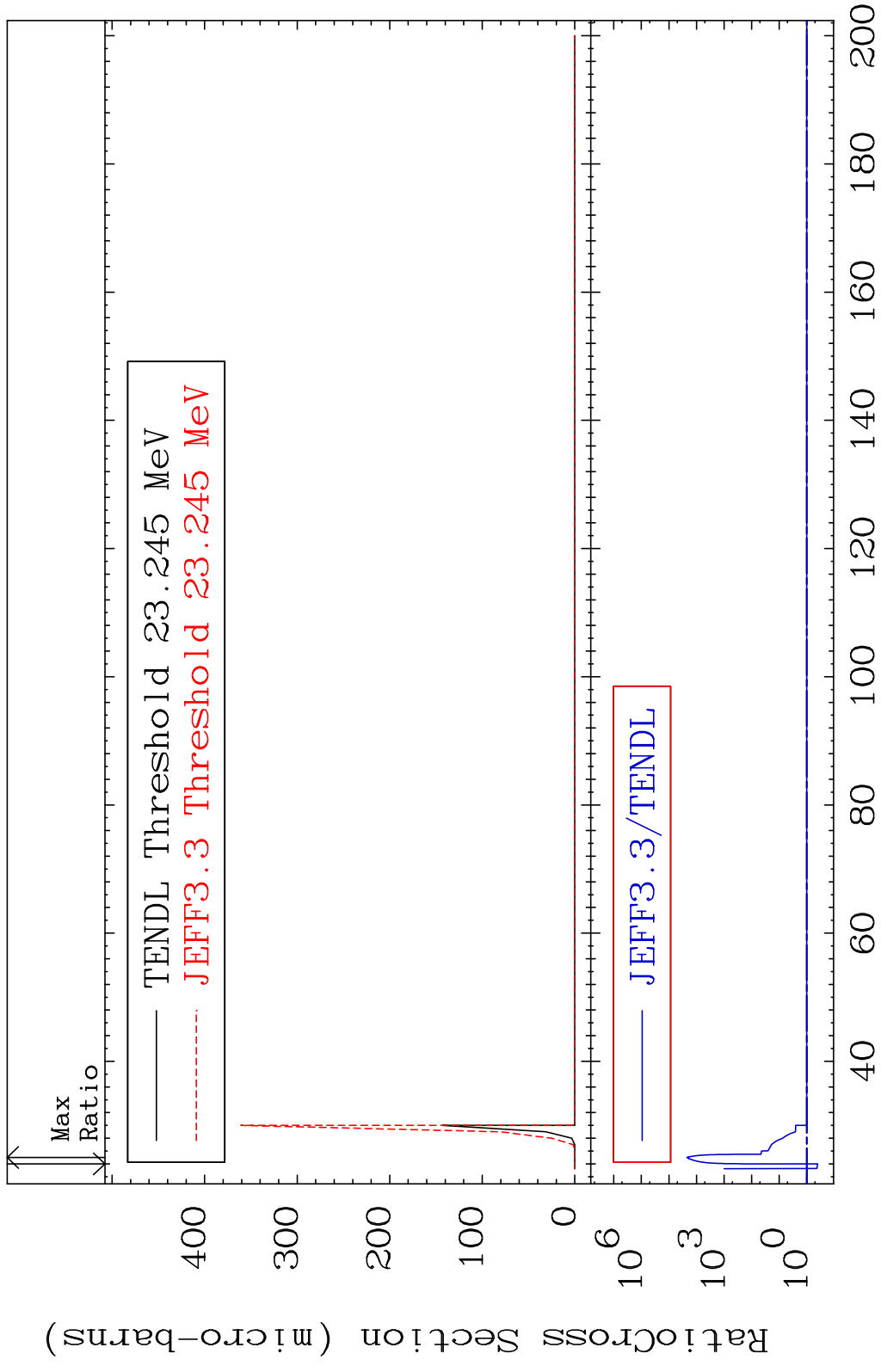


78 Incident Energy (eV) 44-Ru-99

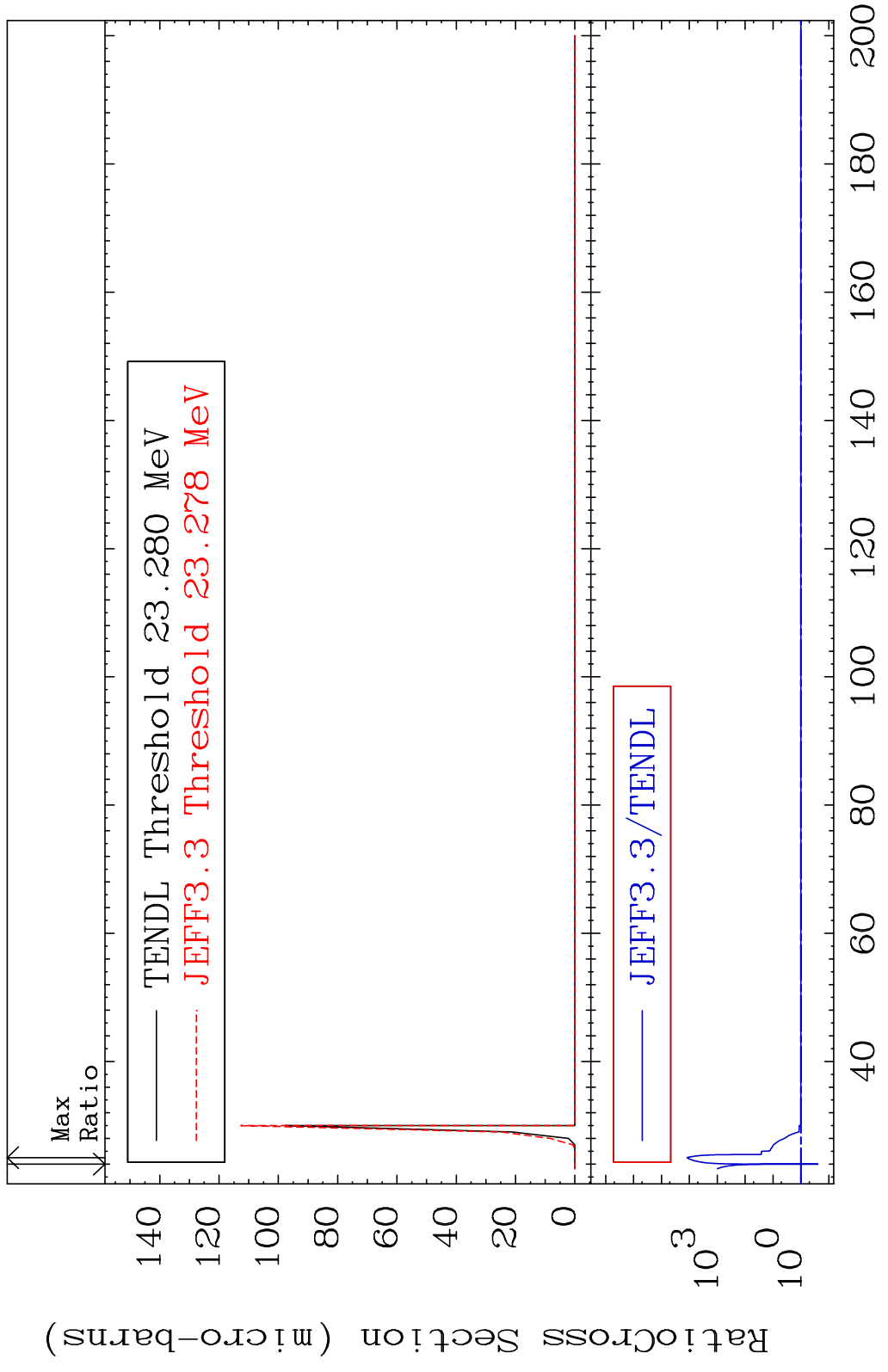
MAT 4434 Dpa disappearance (mt102 -120) 44-Ru-99
 Cross Section -99.35 To 4937. %

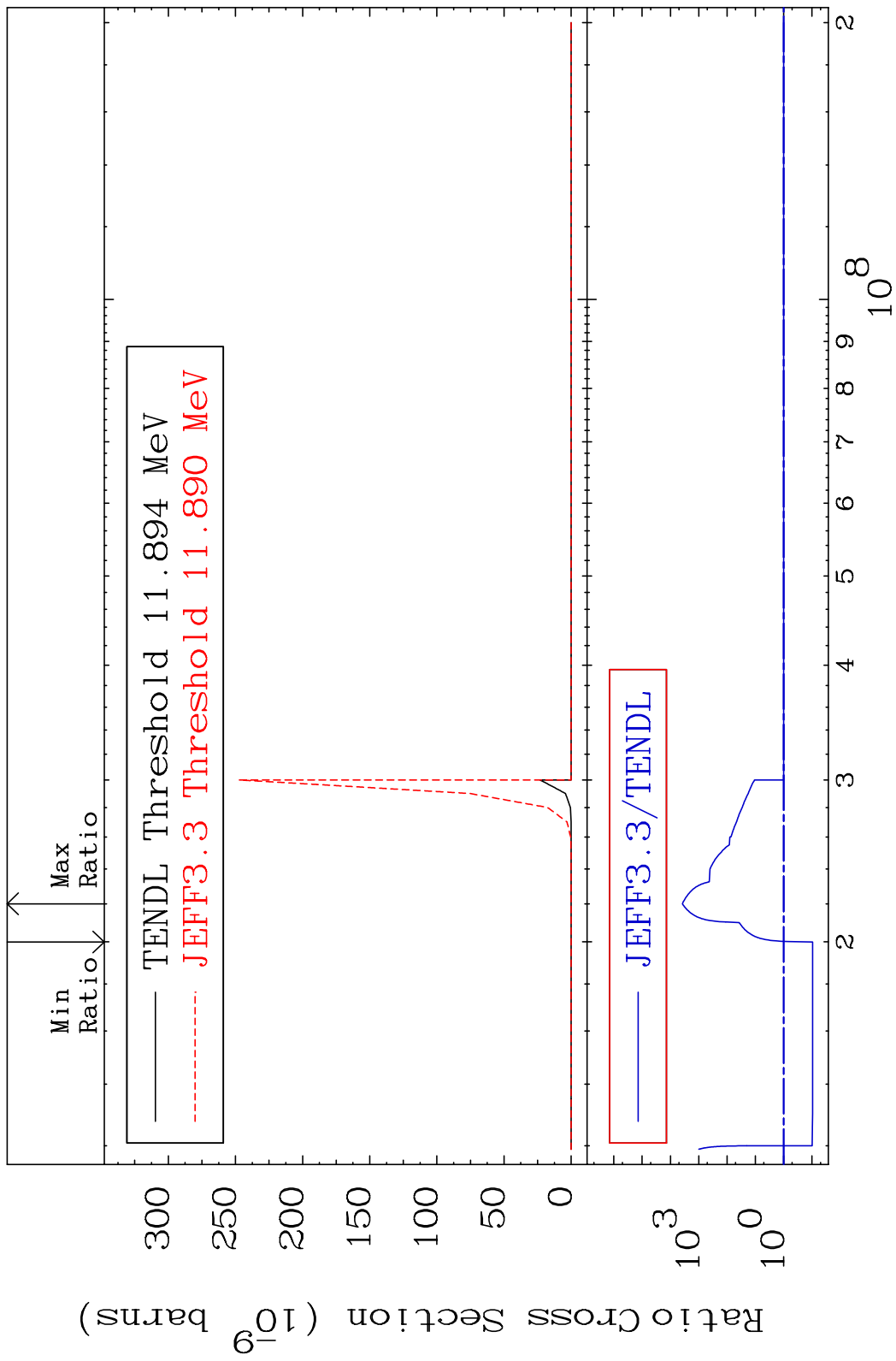


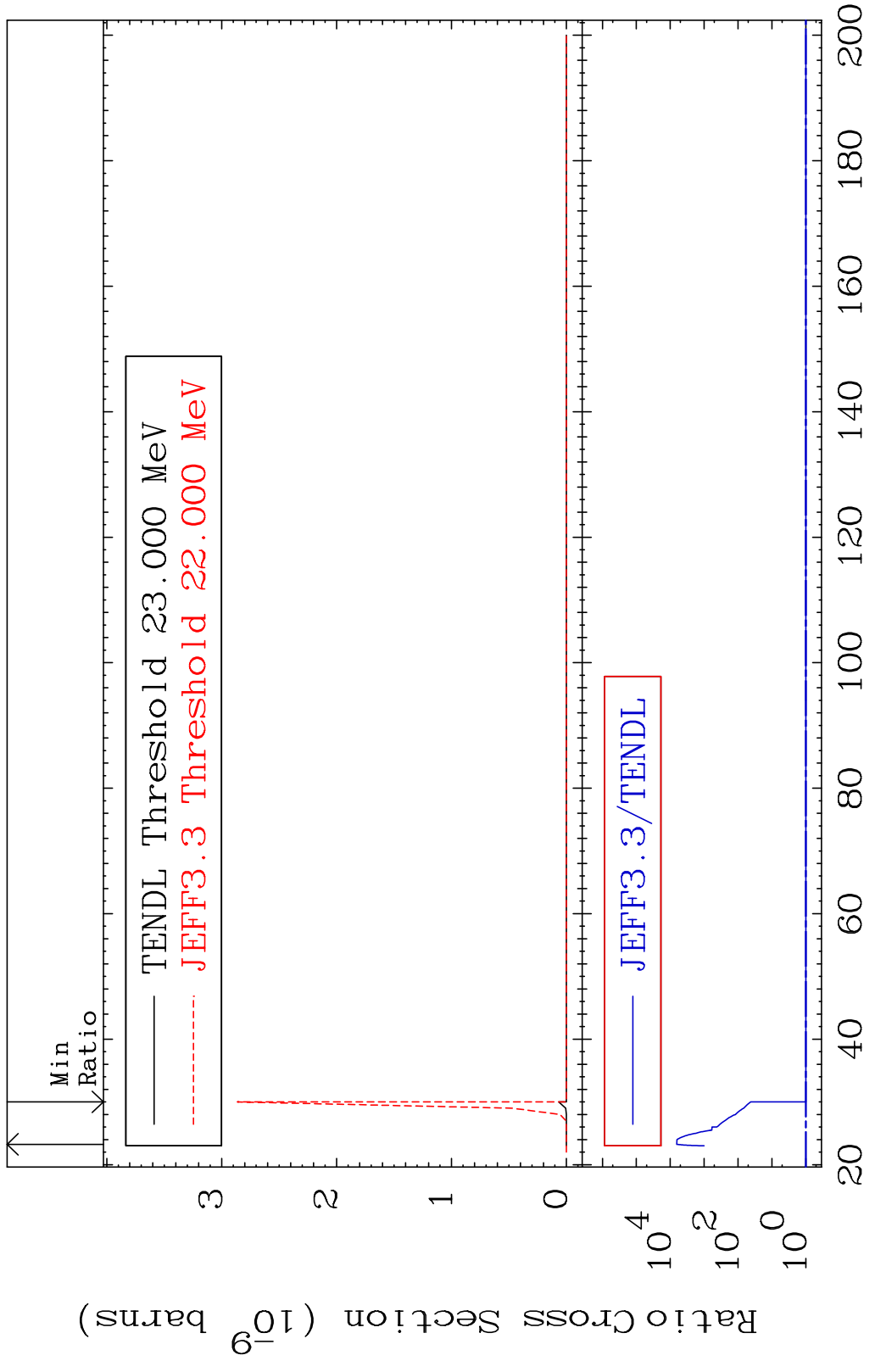
MAT 4434 (n,2n) d:43-Tc-96g 44-Ru-99
 Radionuclide Production Cross Section 59.681 dth 9999. %

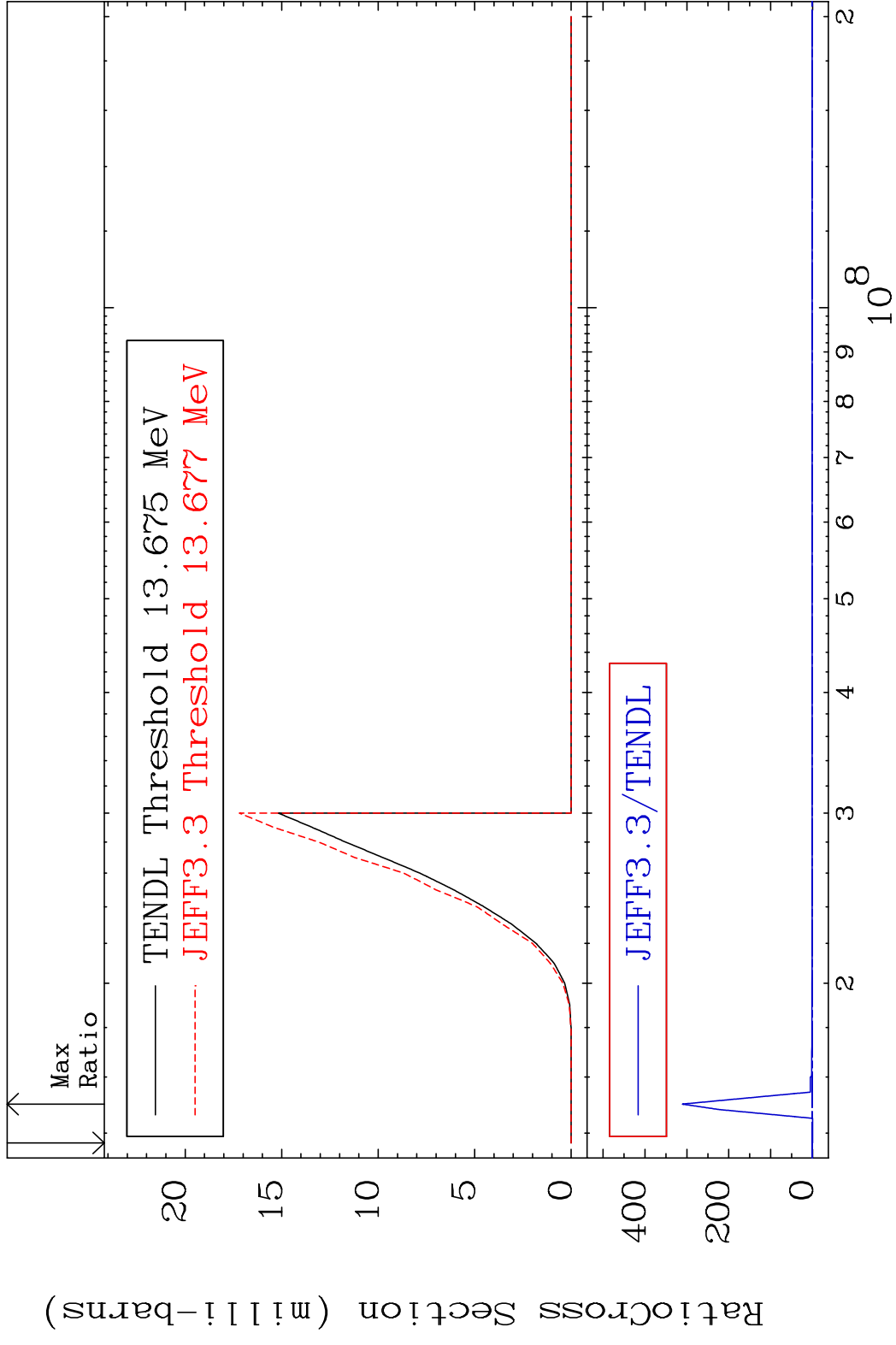


80 Incident Energy (MeV) 44-Ru-99

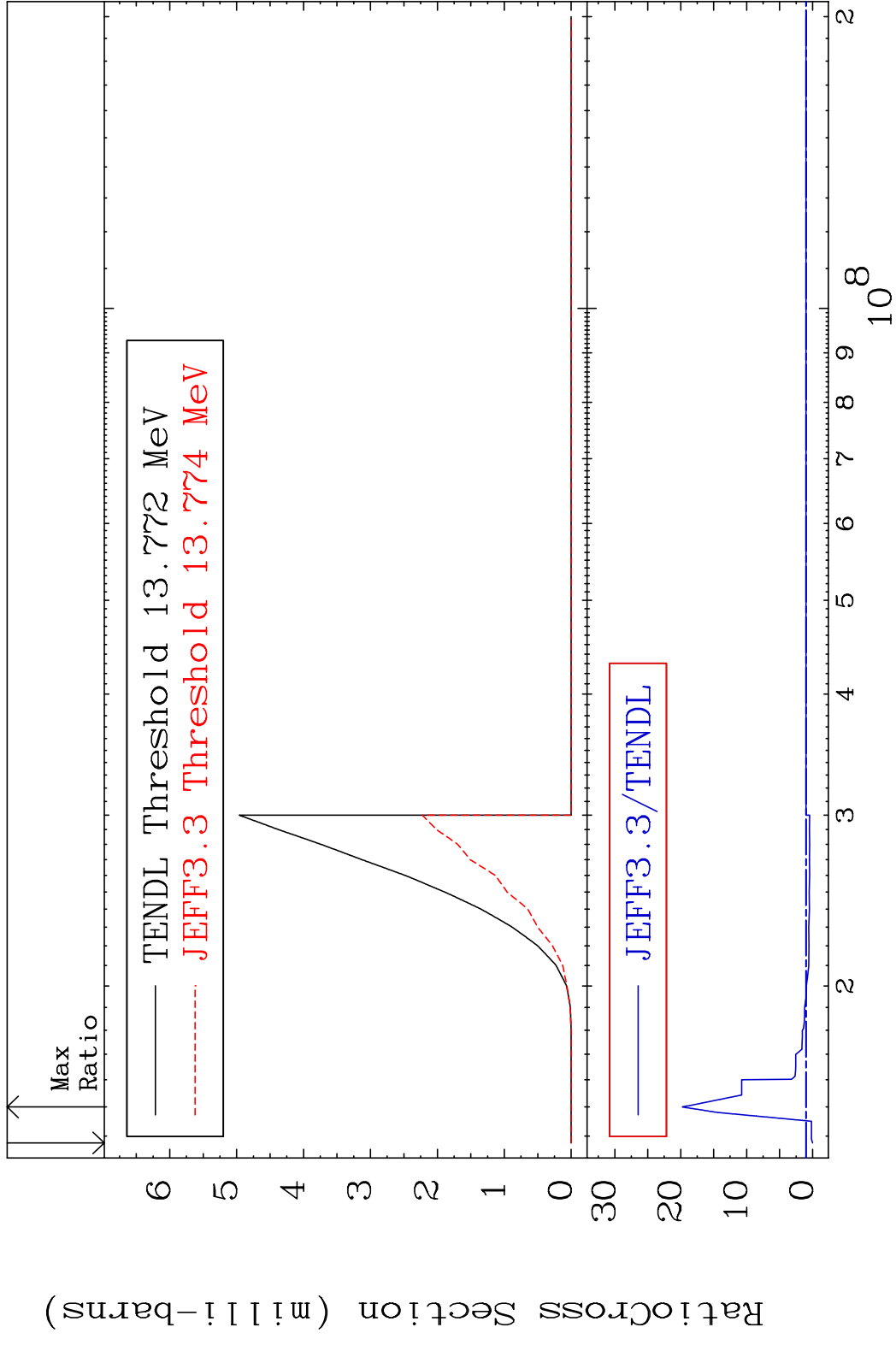




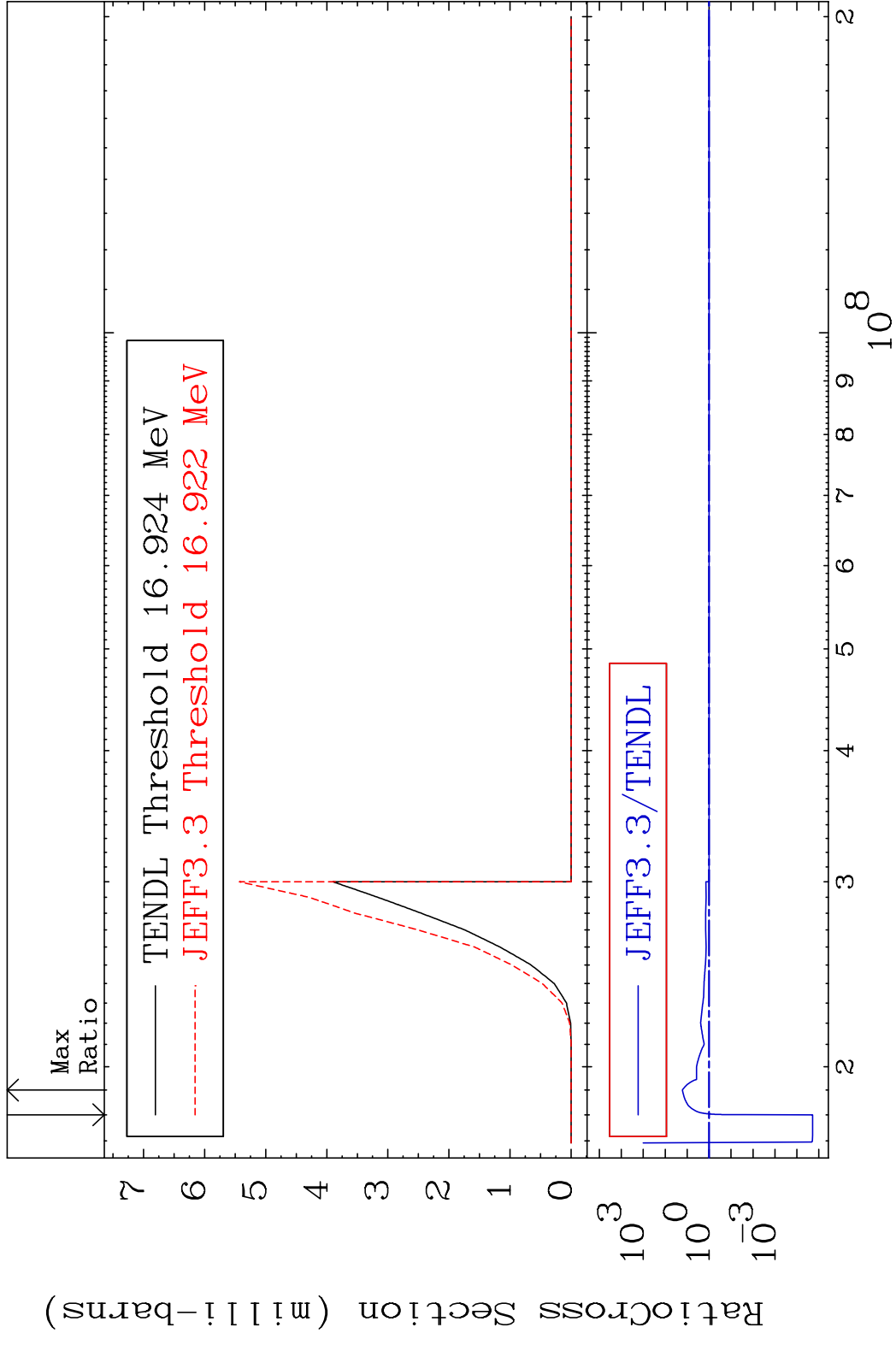




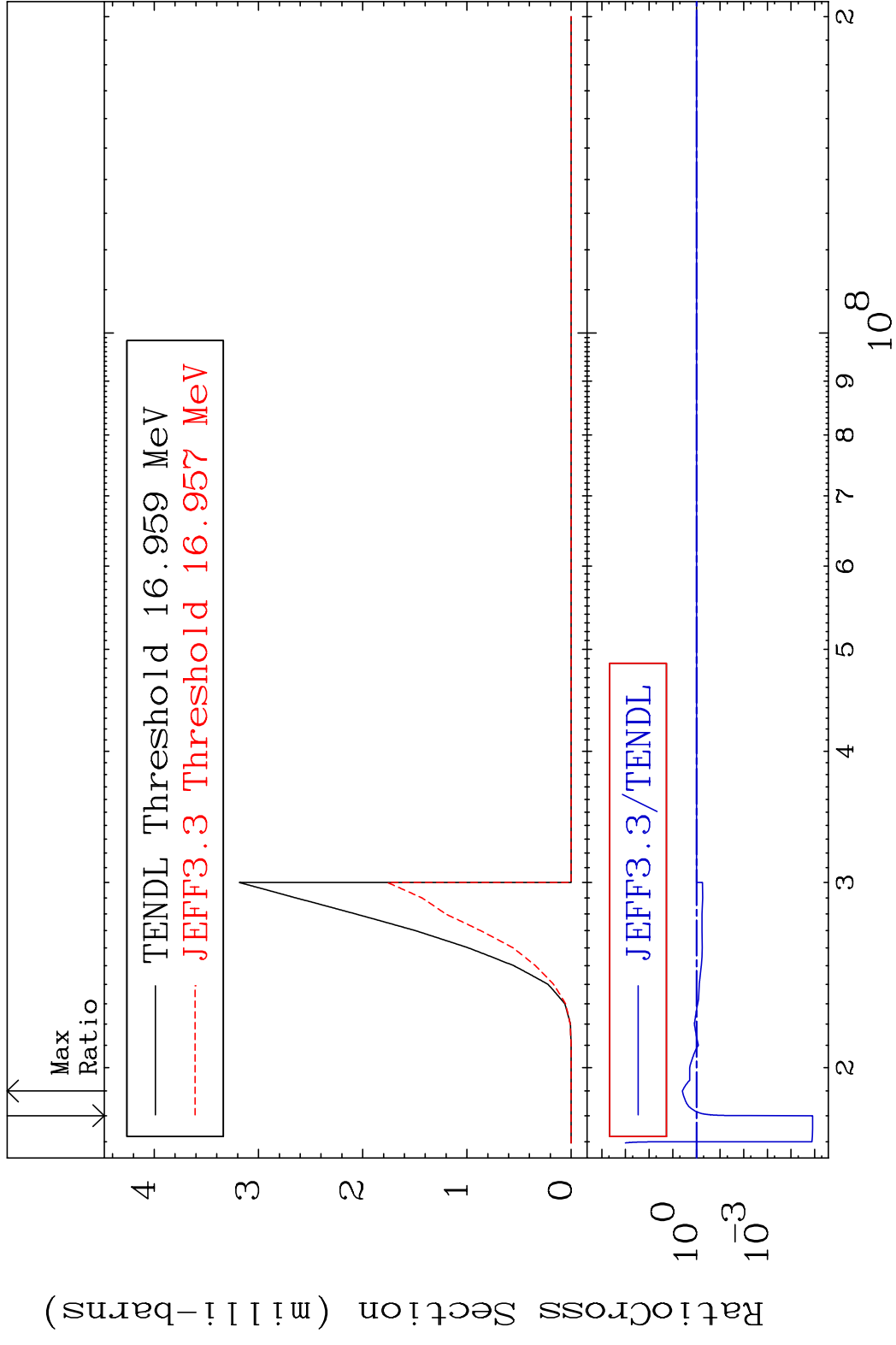
MAT 4434 (n, n') d:43-Tc-97m1 44-Ru-99
 Radionuclide Production Cross Section 1875. %

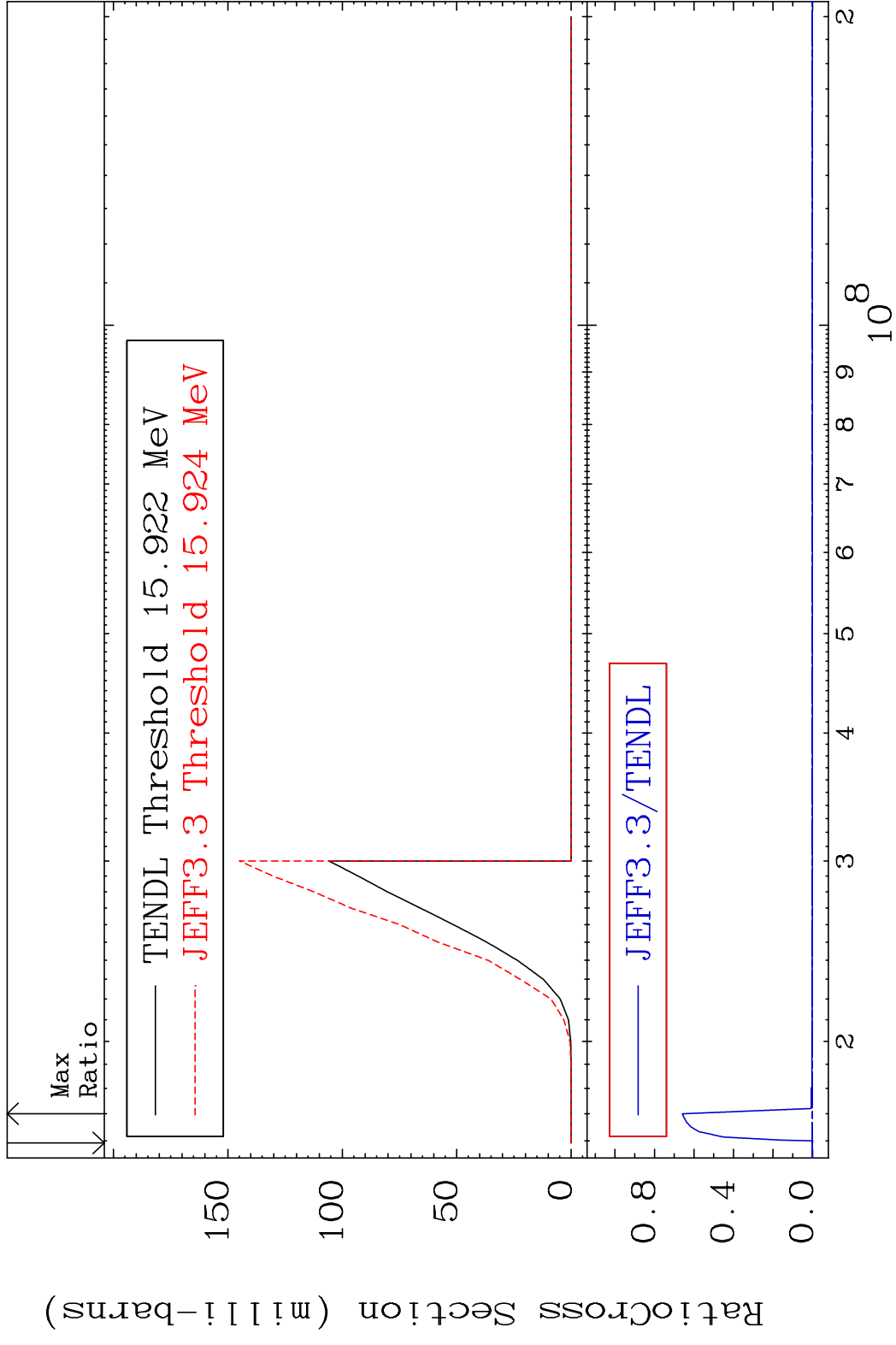


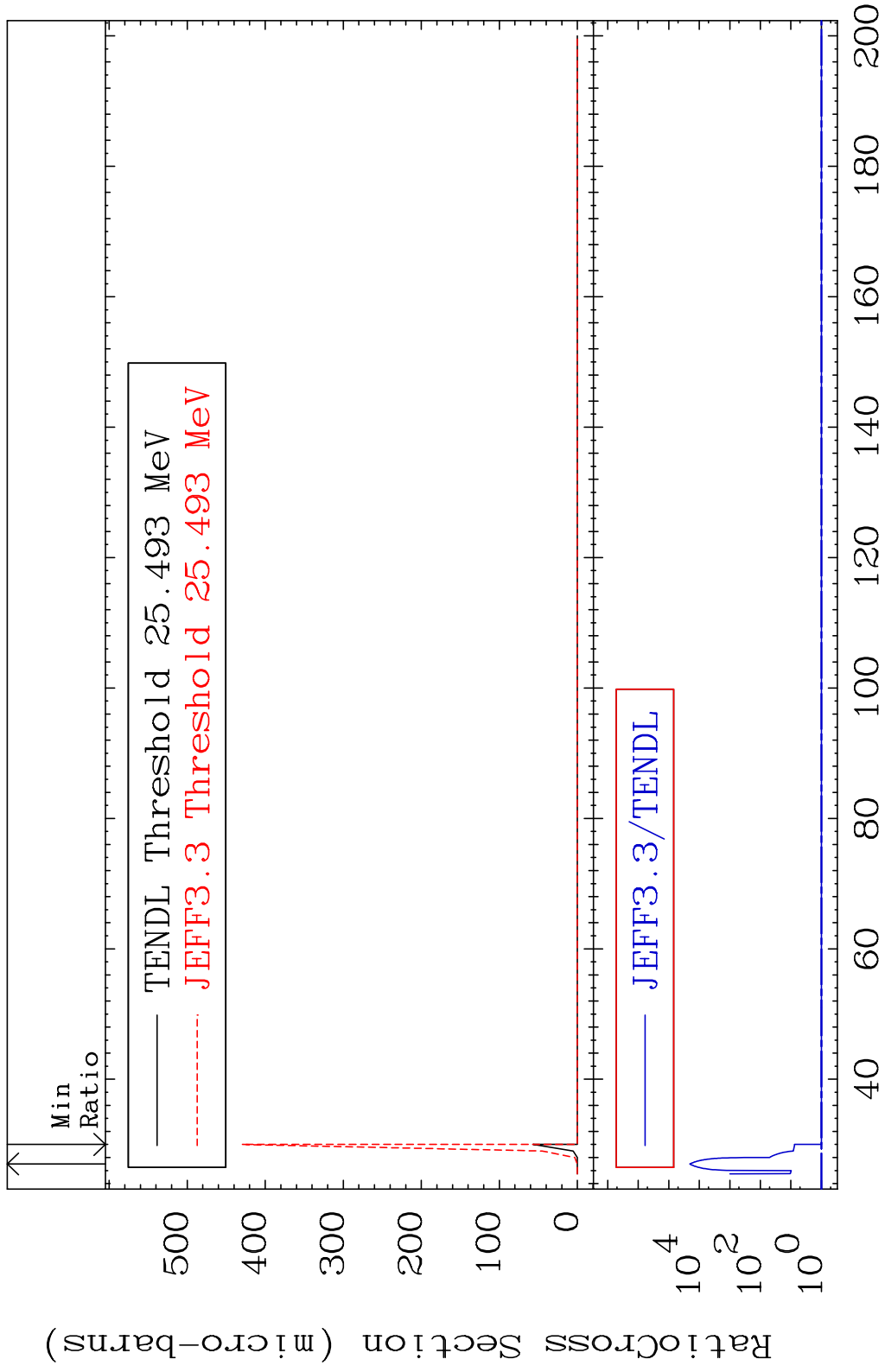
MAT 4434 (n, n') t:43-Tc-96g 44-Ru-99
 Radionuclide Production Cross Section 1553. %

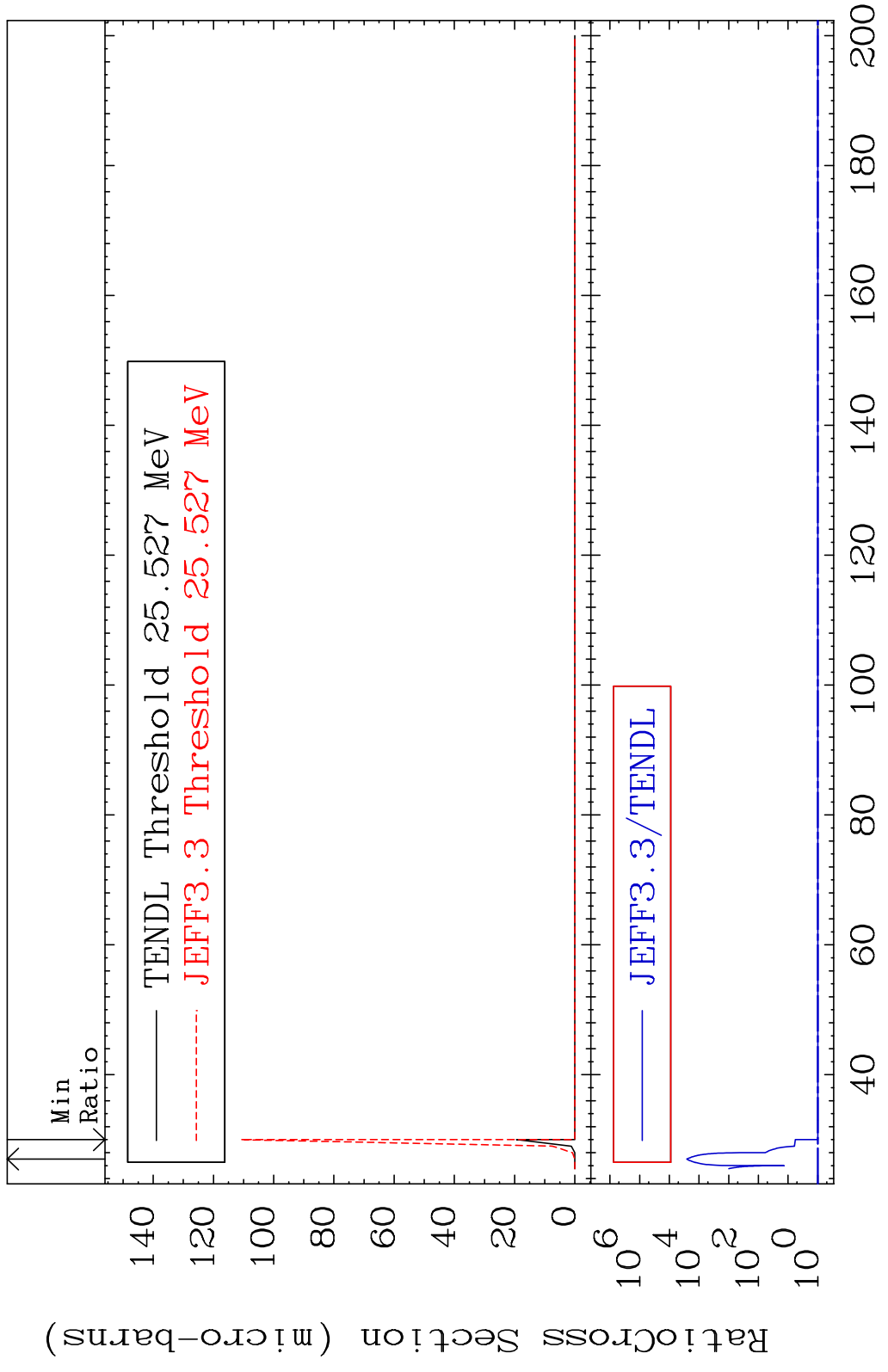


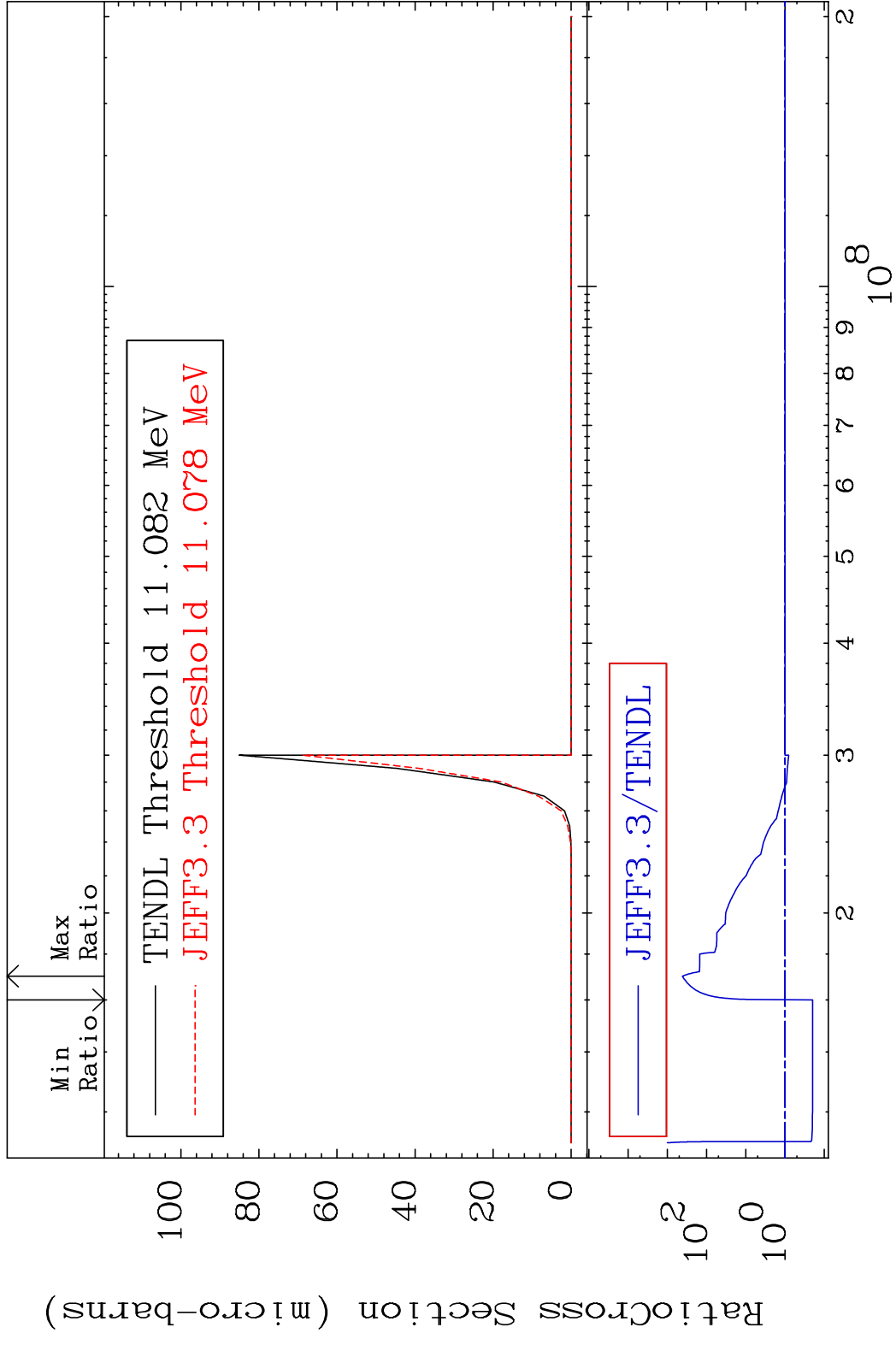
MAT 4434 (n, n') t:43-Tc-96m1 44-Ru-99
 Radionuclide Production Cross Section Ratio 293.6 %

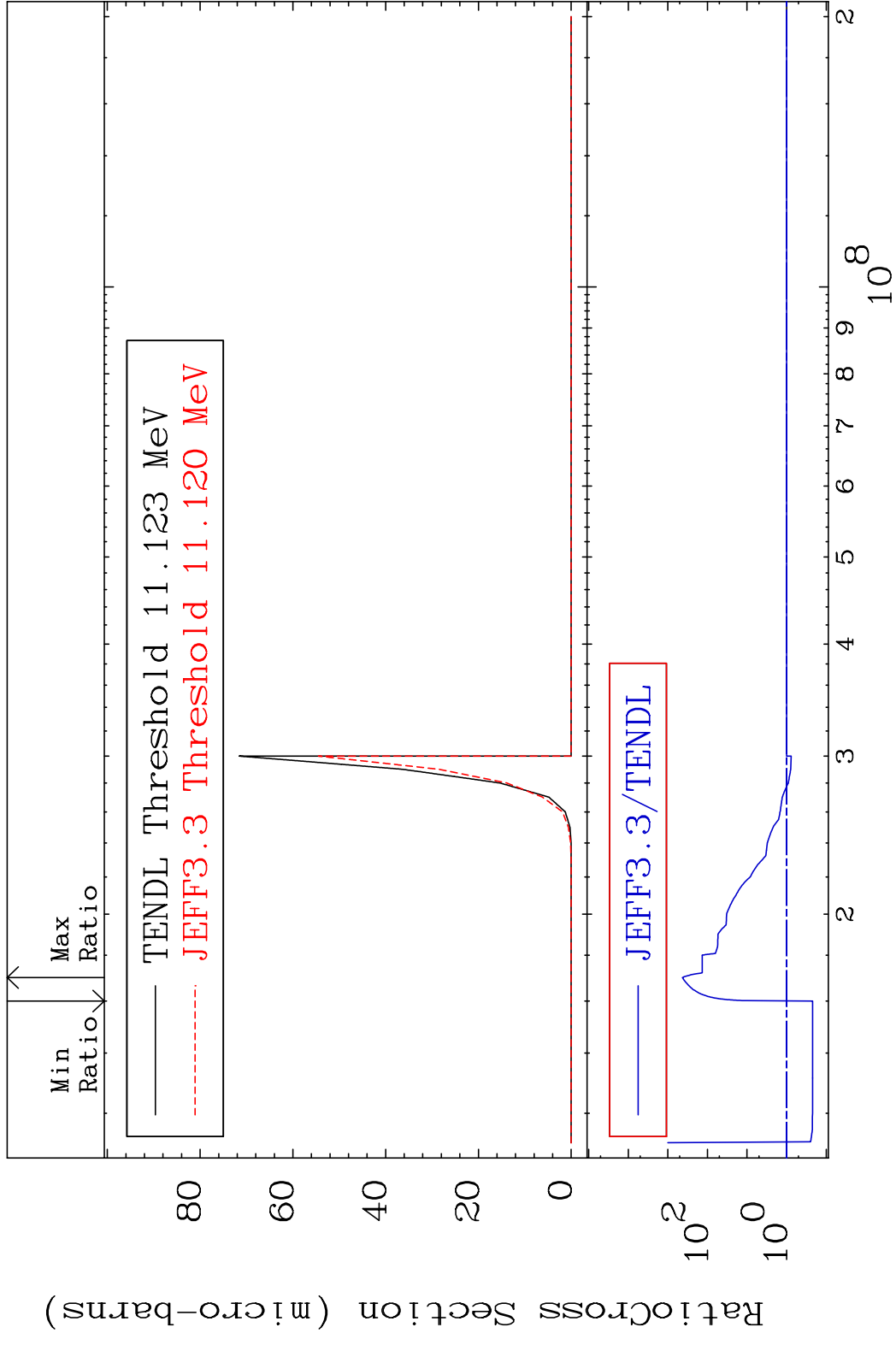




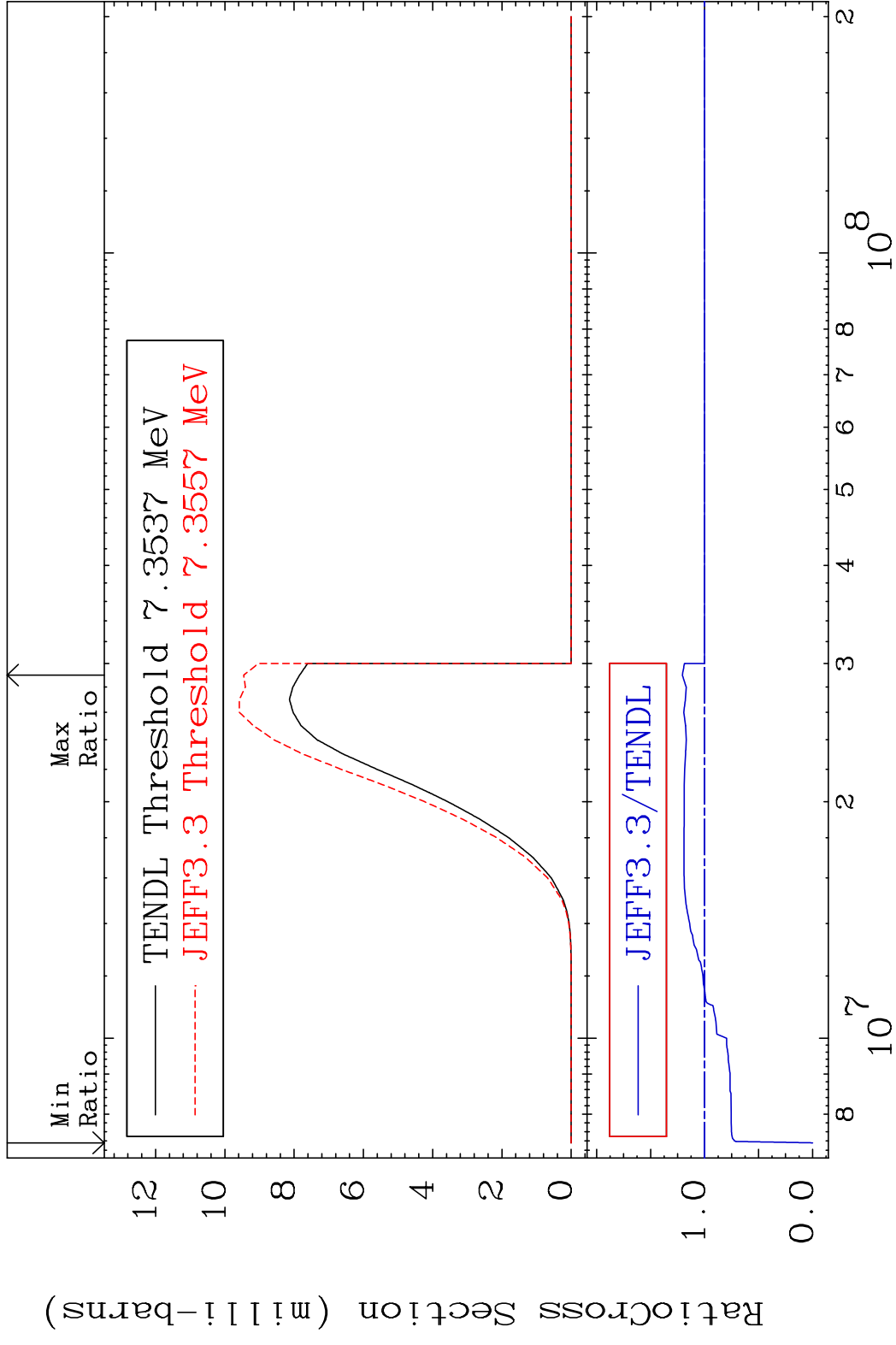




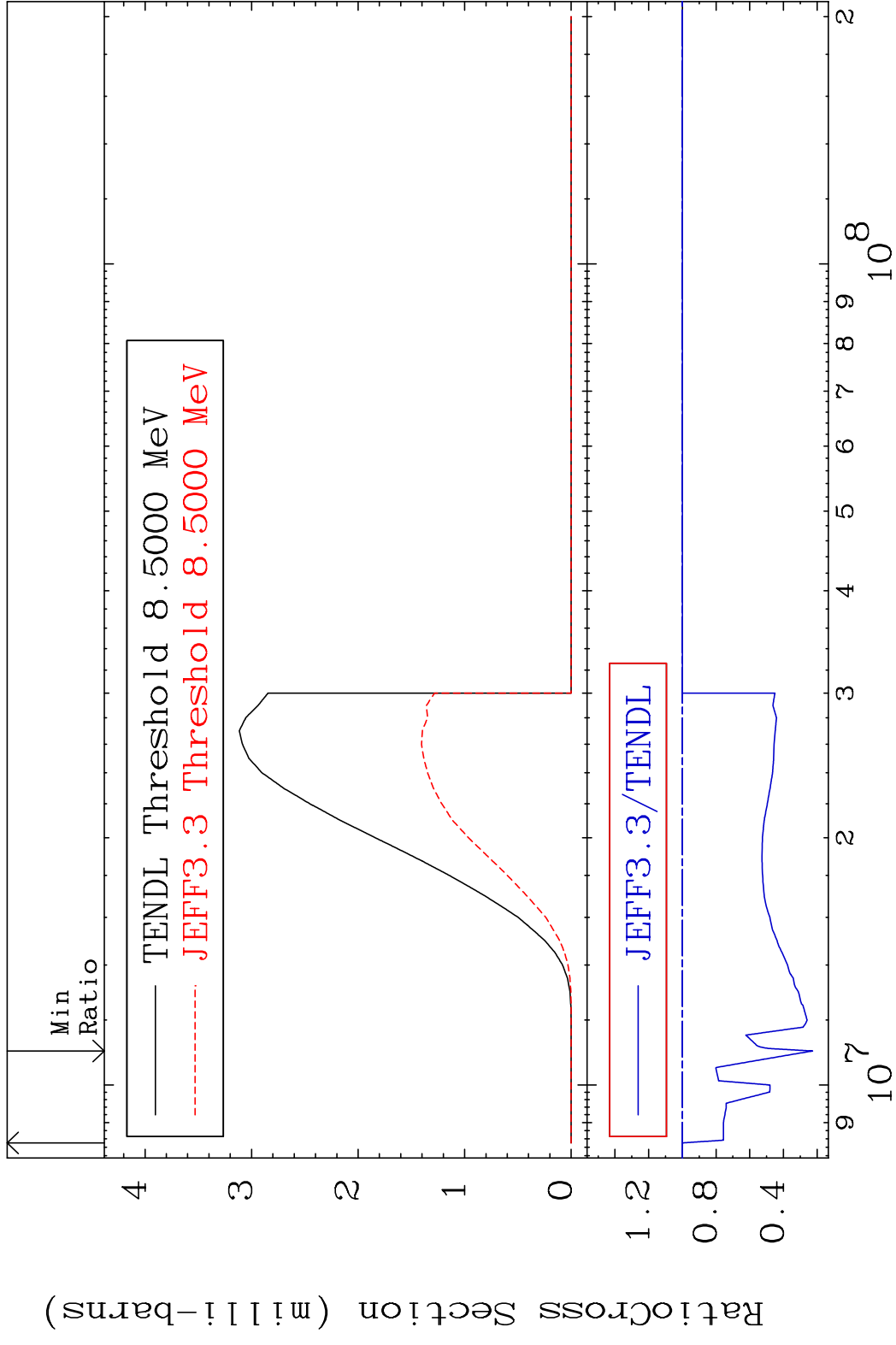


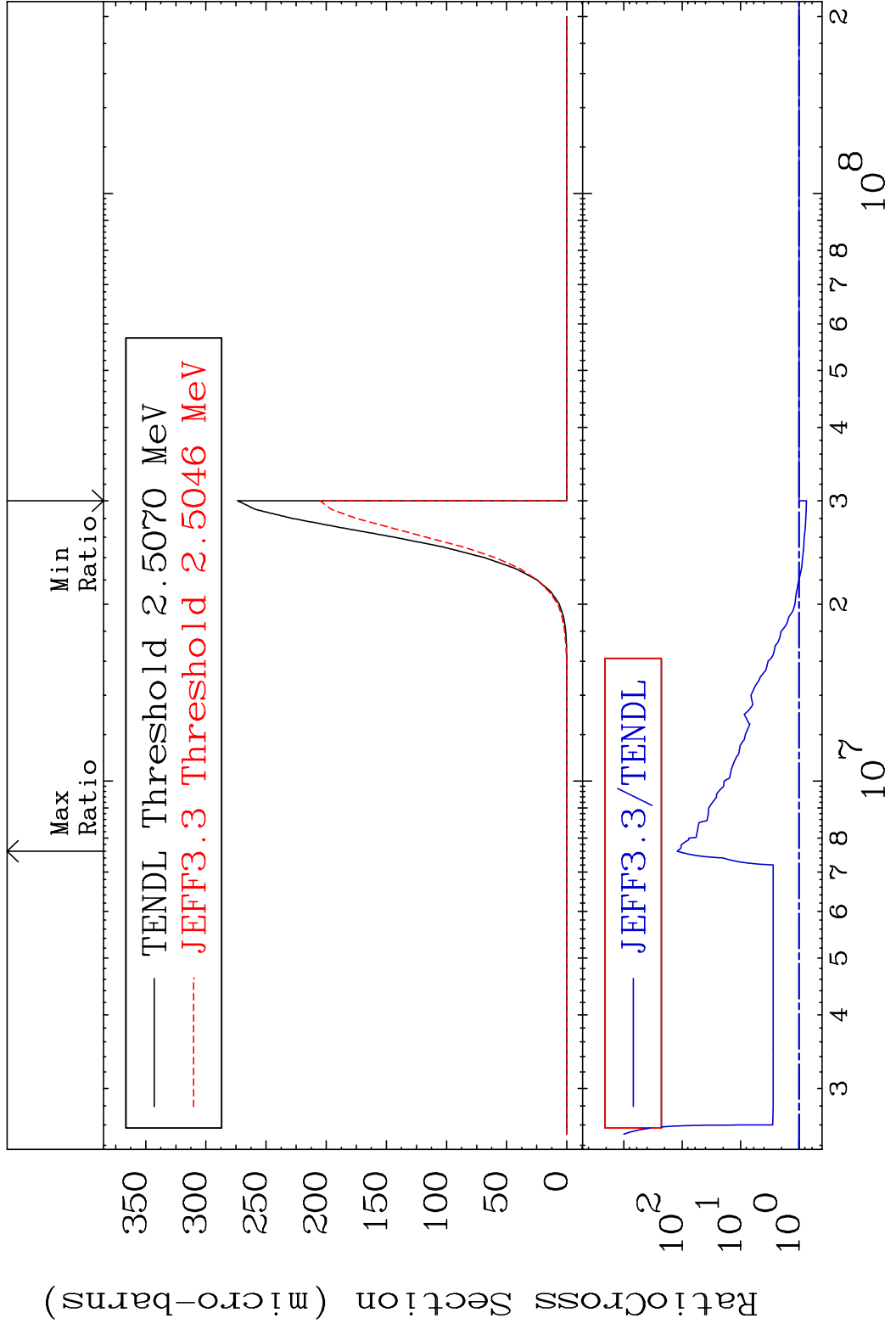


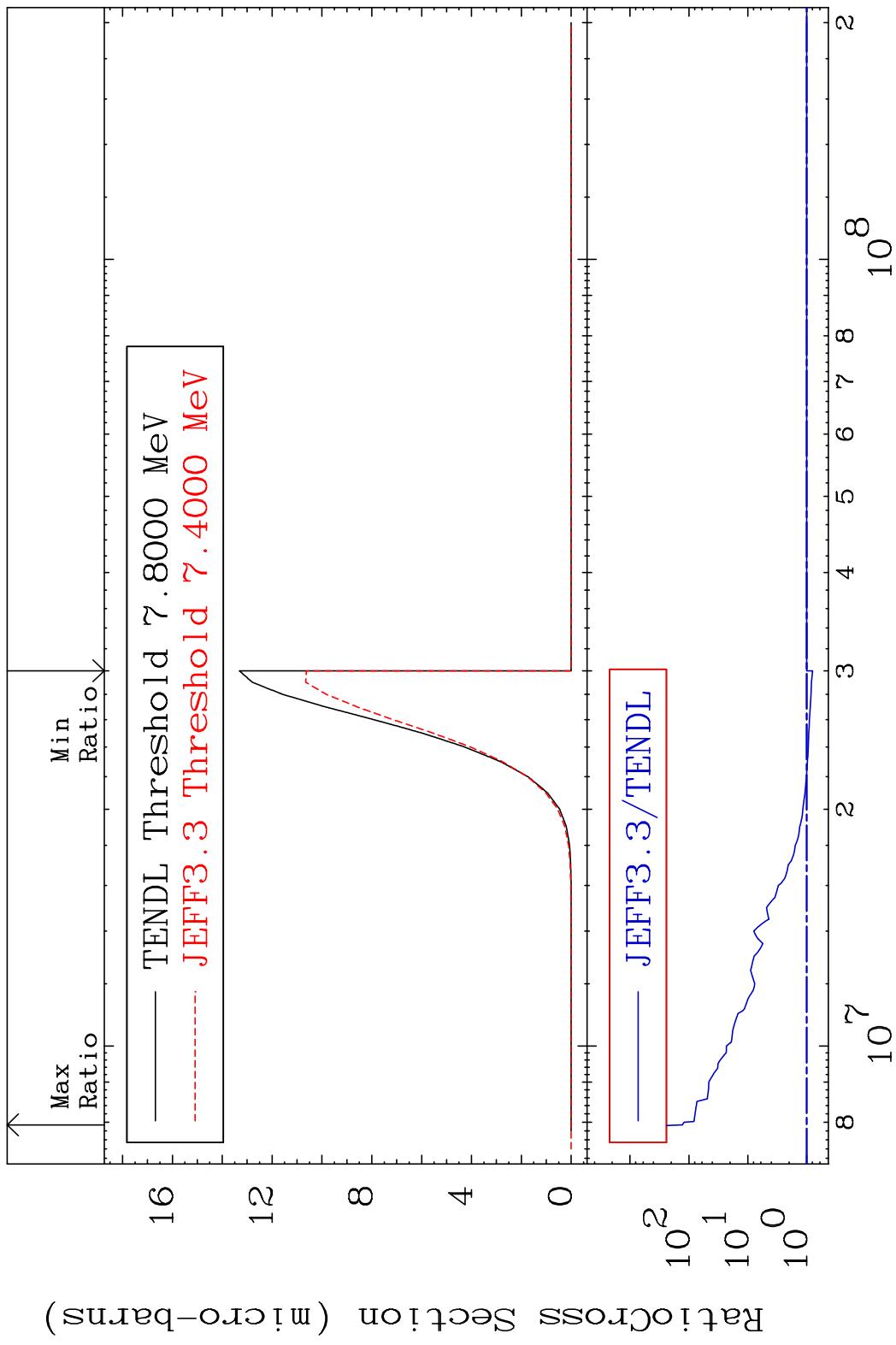
MAT 4434 (n, t): 43-Tc-97g 44-Ru-99
 Radionuclide Production Cross Section Ratio 20.59 %

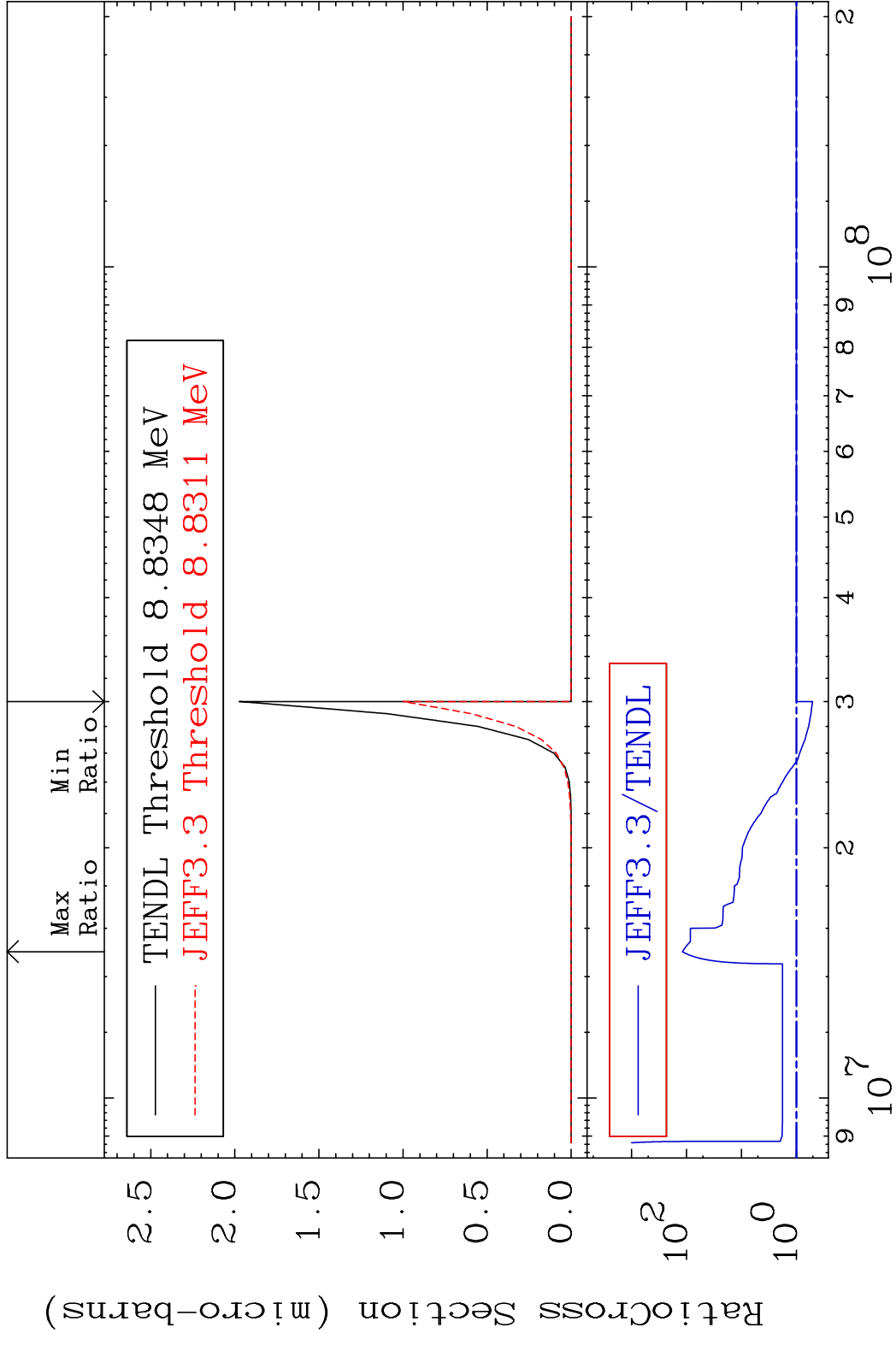


MAT 4434 (n, t): 43-Tc-97m1 44-Ru-99
 Radionuclide Production Cross Section 0.000 %

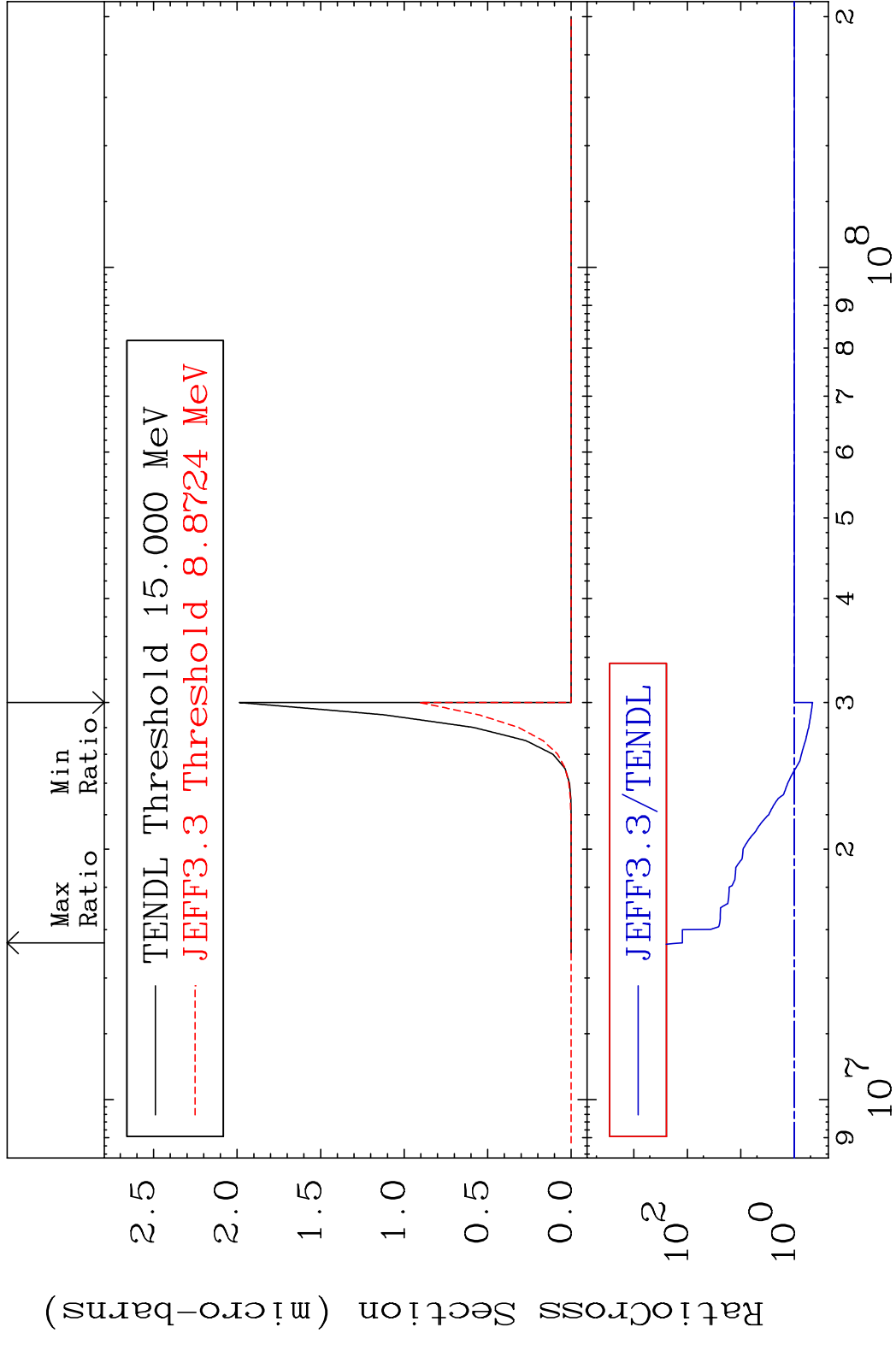








MAT 4434 (n, d) α :41-Nb-94m1 44-Ru-99
 Radionuclide Production Cross Section 51e23id10 9999. %



99 Incident Energy (eV) 44-Ru-99